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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	40	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	41	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	42	Feb 13	CANCERLIT is no longer being updated
NEWS	43	Feb 24	METADEX enhancements
NEWS	44	Feb 24	PCTGEN now available on STN
NEWS	45	Feb 24	TEMA now available on STN
NEWS	46	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	47	Feb 26	PCTFULL now contains images

NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
NEWS 50 Mar 20 EVENTLINE will be removed from STN
NEWS 51 Mar 24 PATDPAFULL now available on STN
NEWS 52 Mar 24 Additional information for trade-named substances without
structures available in REGISTRY
NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:28:39 ON 26 MAR 2003

=> fil .search

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 13:28:45 ON 26 MAR 2003

FILE 'CAPLUS' ENTERED AT 13:28:45 ON 26 MAR 2003

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FILE 'BIOSIS' ENTERED AT 13:28:45 ON 26 MAR 2003

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FILE 'USPATFULL' ENTERED AT 13:28:45 ON 26 MAR 2003

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FILE 'EMBASE' ENTERED AT 13:28:45 ON 26 MAR 2003

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=> s microcapsul?

L1 32716 MICROCAPSUL?

=> s l1 and (cell(w)aggreg?)

L2 167 L1 AND (CELL(W) AGGREG?)

=> s l2 and crosslink?

L3 105 L2 AND CROSSLINK?

<C

10/029,582

Page 3

=> s l3 and core?

L4 66 L3 AND CORE?

=> dup rem l4

PROCESSING COMPLETED FOR L4

L5 66 DUP REM L4 (0 DUPLICATES REMOVED)

=> d ibib ab 1-

YOU HAVE REQUESTED DATA FROM 66 ANSWERS - CONTINUE? Y/(N):y

L5 ANSWER 1 OF 66 USPATFULL 2003:79288 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
 INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
 Baker, Kevin P., Darnestown, MD, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
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 Shelton, David L., Oakland, CA, UNITED STATES
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 Tumbare, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 2003055216	A1	20030320
US 2001-978824	A1	20011017 (9)
Continuation of Ser. No. US 1998-40220, filed on 17		
1998, GRANTED, Pat. No. US 6391311		Continuation of
No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Continuation of Ser. No. US 1998-168978, filed on 7		
1998, ABANDONED Continuation of Ser. No. US		
1998-184216, filed on 2 Nov 1998, ABANDONED		
Continuation of Ser. No. US 1998-187368, filed on 6		
1998, PENDING Continuation of Ser. No. US 1998-202054,		
filed on 7 Dec 1998, PENDING Continuation of Ser. No.		
US 1998-218517, filed on 22 Dec 1998, ABANDONED		
Continuation of Ser. No. US 1999-254465, filed on 5		
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No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		

L5 ANSWER 1 OF 66 USPATFULL (Continued)
 No. US 6455283 Continuation of Ser. No. US
 1999-267213,
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.
 No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
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 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
 1999-380142, filed on 25 Aug 1999, ABANDONED
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 2000-723749, filed on 27 Nov 2000, PENDING
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 on 22 Mar 2001, PENDING Continuation of Ser. No. US
 2001-816920, filed on 22 Mar 2001, PENDING
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 filed on 14 Jun 2001, ABANDONED Continuation of Ser.
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED
 Continuation of Ser. No. US 2001-918585, filed on 30
 Jul 2001, PENDING

NUMBER	DATE
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WO 2000-US8439	20000330

PRIORITY INFORMATION:

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 US 1999-134287P 19990514 (60)
 US 1999-139557P 19990616 (60)

L5 ANSWER 1 OF 66 USPATFULL (Continued)
 US 1999-141037P 19990623 (60)
 US 1999-142680P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)
 US 1999-162506P 19991029 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
 201 California Street, Suite 1150, San Francisco, CA,
 94111
 NUMBER OF CLAIMS: 57
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 237 Drawing Page(s)
 LINE COUNT: 21577
 AB The present invention is directed to novel polypeptides and to nucleic
 acid molecules encoding those polypeptides. Also provided herein are
 vectors and host cells comprising those nucleic acid sequences,
 chimeric
 polypeptide molecules comprising the polypeptides of the present
 invention fused to heterologous polypeptide sequences, antibodies which
 bind to the polypeptides of the present invention and to methods for
 producing the polypeptides of the present invention.

L5 ANSWER 2 OF 66 USPATFULL
 ACCESSION NUMBER: 2003:79061 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic
 acids encoding the same
 INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
 Baker, Kevin P., Darnestown, MD, UNITED STATES
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 Eaton, Dan L., San Rafael, CA, UNITED STATES
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 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
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 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED
 STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kleavin, Ivar J., Lafayette, CA, UNITED STATES
 Kuo, Sophia S., San Francisco, CA, UNITED STATES
 Napier, Mary A., Hillsborough, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas P., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Shelton, David L., Oakland, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tuma, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 GENENTECH, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003054986	A1	20030320
APPLICATION INFO.:	US 2001-981915	A1	20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17		
Mar	1998, GRANTED, Pat. No. US 6391311 Continuation of		
Ser.	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
	Continuation of Ser. No. US 1998-168978, filed on 7		
Oct	1998, ABANDONED Continuation of Ser. No. US		
	1998-184216, filed on 2 Nov 1998, ABANDONED		
	Continuation of Ser. No. US 1998-187368, filed on 6		
Nov	1998, PENDING Continuation of Ser. No. US 1998-202054,		
	filed on 7 Dec 1998, PENDING Continuation of Ser. No.		
	US 1998-218517, filed on 22 Dec 1998, ABANDONED		
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Mar	1999, GRANTED, Pat. No. US 6410708 Continuation of		
Ser.	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		
Pat.			

L5 ANSWER 2 OF 66 USPATFULL (Continued)
 No. US 6455283 Continuation of Ser. No. US
 1999-267213,
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.
 No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
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 May 1999, PENDING Continuation of Ser. No. US 380137,
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 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
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 2001, PENDING Continuation of Ser. No. US 2001-882636,
 filed on 14 Jun 2001, ABANDONED Continuation of Ser.
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED
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 Jul 2001, PENDING

	NUMBER	DATE
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	WO 1999-US106	19990105
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L5 ANSWER 2 OF 66 USPATFULL (Continued)
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 US 1998-100038P 19980911 (60)
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 US 1998-113296P 19981222 (60)
 US 1998-113621P 19981223 (60)
 US 1999-123957P 19990312 (60)
 US 1999-126773P 19990329 (60)
 US 1999-130232P 19990421 (60)
 US 1999-131022P 19990426 (60)
 US 1999-131445P 19990428 (60)
 US 1999-134287P 19990514 (60)
 US 1999-139557P 19990616 (60)

L5 ANSWER 3 OF 66 USPATFULL

ACCESSION NUMBER:

TITLE:

INVENTOR(S):

2003-78485 USPATFULL
 Secreted and transmembrane polypeptides and nucleic acids encoding the same
 Aahkenazi, Avi, San Mateo, CA, UNITED STATES
 Baker, Kevin P., Darnestown, MD, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvarsoff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Kuo, Sophia S., San Francisco, CA, UNITED STATES
 Napier, Mary A., Hillsborough, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Shelton, David L., Oakland, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William L., Hillsborough, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

PATENT INFORMATION:

APPLICATION INFO.:

RELATED APPLN. INFO.:

Mar

Ser.

Oct

Nov

Mar

Ser.

Pat.

1999-267213,

NUMBER KIND DATE
 US 2003054405 A1 20030320
 US 2001-999833 A1 20011024 (9)
 Continuation of Ser. No. US 1998-40220, filed on 17
 1998, GRANTED, Pat. No. US 6391311 Continuation of
 No. US 1998-105413, filed on 26 Jun 1998, ABANDONED
 Continuation of Ser. No. US 1998-168978, filed on 7
 1998, ABANDONED Continuation of Ser. No. US
 1998-184216, filed on 2 Nov 1998, ABANDONED
 Continuation of Ser. No. US 1998-187368, filed on 6
 1998, PENDING Continuation of Ser. No. US 1998-202054,
 filed on 7 Dec 1998, PENDING Continuation of Ser. No.
 US 1998-218517, filed on 22 Dec 1998, ABANDONED
 Continuation of Ser. No. US 1999-254465, filed on 5
 1999, GRANTED, Pat. No. US 6410708 Continuation of
 No. US 1999-265686, filed on 10 Mar 1999, GRANTED,
 No. US 6455283 Continuation of Ser. No. US
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.

L5 ANSWER 2 OF 66 USPATFULL (Continued)

US 1999-141037P 19990623 (60)
 US 1999-142680P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)
 US 1999-162506P 19991029 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET,
 FOURTEENTH FLOOR, IRVINE, CA, 92614
 NUMBER OF CLAIMS: 57
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 237 Drawing Page(s)
 LINE COUNT: 21827
 AB The present invention is directed to novel polypeptides and to nucleic
 acid molecules encoding those polypeptides. Also provided herein are
 vectors and host cells comprising those nucleic acid sequences,
 chimeric polypeptide molecules comprising the polypeptides of the present
 invention fused to heterologous polypeptide sequences, antibodies which
 bind to the polypeptides of the present invention and to methods for
 producing the polypeptides of the present invention.

L5 ANSWER 3 OF 66 USPATFULL (Continued)

No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
 Continuation of Ser. No. US 1999-311832, filed on 14
 May 1999, PENDING Continuation of Ser. No. US 380137,
 PENDING Continuation of Ser. No. US 1999-380138, filed
 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
 1999-380142, filed on 25 Aug 1999, ABANDONED
 Continuation of Ser. No. US 2000-709238, filed on 8
 Nov 2000, ABANDONED Continuation of Ser. No. US
 2000-723749, filed on 27 Nov 2000, PENDING
 Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000,
 PENDING Continuation of Ser. No. US 2001-816744, filed
 on 22 Mar 2001, PENDING Continuation of Ser. No. US
 2001-816920, filed on 22 Mar 2001, PENDING
 Continuation of Ser. No. US 2001-854280, filed on 10 May 2001,
 PENDING Continuation of Ser. No. US 2001-854208, filed
 on 10 May 2001, PENDING Continuation of Ser. No. US
 2001-872035, filed on 1 Jun 2001, ABANDONED
 Continuation of Ser. No. US 2001-874503, filed on 5
 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636,
 filed on 14 Jun 2001, ABANDONED Continuation of Ser.
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED
 Continuation of Ser. No. US 2001-918585, filed on 10
 Jul 2001, PENDING

NUMBER	DATE
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10731	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201

L5 ANSWER 3 OF 66 USPATFULL (Continued)

WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-62250P	19971017 (60)
US 1997-64249P	19971103 (60)
US 1997-65311P	19971113 (60)
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US 1998-81229P	19980409 (60)
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US 1998-82797P	19980422 (60)

L5 ANSWER 3 OF 66 USPATFULL (Continued)

US 1999-13957P	19990616 (60)
US 1999-14103P	19990623 (60)
US 1999-142680P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 Newport Center Drive, Sixteenth Floor, Newport
Beach, CA, 92660

NUMBER OF CLAIMS: 57

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21659

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 3 OF 66 USPATFULL (Continued)

US 1998-82796P	19980423 (60)
US 1998-83336P	19980427 (60)
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US 1998-83545P	19980429 (60)
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US 1998-84366P	19980505 (60)
US 1998-84414P	19980506 (60)
US 1998-84441P	19980506 (60)
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US 1998-84639P	19980507 (60)
US 1998-84640P	19980507 (60)
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US 1999-123957P	19990312 (60)
US 1999-126773P	19990329 (60)
US 1999-130232P	19990421 (60)
US 1999-131022P	19990426 (60)
US 1999-131445P	19990428 (60)
US 1999-134287P	19990514 (60)

L5 ANSWER 4 OF 66 USPATFULL

ACCESSION NUMBER: 2003:71954 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, August L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Okinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2000050241	A1	20030313
APPLICATION INFO:	US 2001-978564	A1	20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218

LS ANSWER 4 OF 66 USPATFULL (Continued)

WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5504	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-62250P	19971017 (60)
US 1997-64249P	19971103 (60)
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US 1997-66364P	19971121 (60)
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LS ANSWER 4 OF 66 USPATFULL (Continued)

US 1998-91359P	19980701 (60)
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US 1999-134287P	19990514 (60)
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US 1999-142680P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

DOCUMENT TYPE:
FILE SEGMENT:
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
94111

NUMBER OF CLAIMS:
EXEMPLARY CLAIM:
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 2102

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 4 OF 66 USPATFULL (Continued)

US 1998-81229P	19980409 (60)
US 1998-81955P	19980415 (60)
US 1998-81817P	19980415 (60)
US 1998-81819P	19980415 (60)
US 1998-81952P	19980415 (60)
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US 1998-82568P	19980421 (60)
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US 1998-87208P	19980528 (60)
US 1998-87106P	19980528 (60)
US 1998-87098P	19980528 (60)
US 1998-91010P	19980626 (60)
US 1998-90863P	19980626 (60)

LS ANSWER 5 OF 66 USPATFULL

ACCESSION NUMBER: 2003/71953 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acid encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Den L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
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Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tunas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William L., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 2003050240	A1	20030313
US 2001-978403	A1	20011016 (9)
Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING		

PATENT INFORMATION:

APPLICATION INFO.: US 2001-978403 A1 20011016 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

PRIORITY INFORMATION:

NUMBER	DATE
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10733	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218

L5 ANSWER 5 OF 66 USPATFULL (Continued)

WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10733	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620

L5 ANSWER 5 OF 66 USPATFULL (Continued)

WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-62250P	19971017 (60)
US 1997-64249P	19971103 (60)
US 1997-65311P	19971113 (60)
US 1997-66364P	19971121 (60)
US 1998-77450P	19980310 (60)
US 1998-77632P	19980311 (60)
US 1998-77641P	19980311 (60)
US 1998-77649P	19980311 (60)
US 1998-77791P	19980312 (60)
US 1998-78004P	19980313 (60)
US 1998-78886P	19980320 (60)
US 1998-78916P	19980320 (60)
US 1998-78910P	19980320 (60)
US 1998-78939P	19980320 (60)
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US 1998-79663P	19980327 (60)
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US 1998-79786P	19980327 (60)
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US 1998-80165P	19980331 (60)
US 1998-80194P	19980331 (60)
US 1998-80327P	19980401 (60)
US 1998-80328P	19980401 (60)
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US 1998-81195P	19980409 (60)
US 1998-81203P	19980409 (60)
US 1998-81229P	19980409 (60)
US 1998-81955P	19980415 (60)
US 1998-81817P	19980415 (60)
US 1998-81819P	19980415 (60)
US 1998-81952P	19980415 (60)
US 1998-81838P	19980415 (60)
US 1998-82568P	19980421 (60)
US 1998-82569P	19980421 (60)
US 1998-82704P	19980422 (60)
US 1998-82804P	19980422 (60)
US 1998-82700P	19980422 (60)
US 1998-82797P	19980422 (60)
US 1998-82796P	19980423 (60)
US 1998-83336P	19980427 (60)
US 1998-83322P	19980428 (60)
US 1998-83392P	19980429 (60)
US 1998-83495P	19980429 (60)
US 1998-83496P	19980429 (60)

L5 ANSWER 5 OF 66 USPATFULL (Continued)

US 1998-83499P	19980429 (60)
US 1998-83545P	19980429 (60)
US 1998-83554P	19980429 (60)
US 1998-83558P	19980429 (60)
US 1998-83559P	19980429 (60)
US 1998-83500P	19980429 (60)
US 1998-83742P	19980430 (60)
US 1998-84366P	19980505 (60)
US 1998-84414P	19980506 (60)
US 1998-84411P	19980506 (60)
US 1998-84637P	19980507 (60)
US 1998-84639P	19980507 (60)
US 1998-84640P	19980507 (60)
US 1998-84598P	19980507 (60)
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US 1998-85582P	19980515 (60)
US 1998-85700P	19980515 (60)
US 1998-85689P	19980515 (60)
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US 1998-85573P	19980515 (60)
US 1998-85704P	19980515 (60)
US 1998-85697P	19980515 (60)
US 1998-86023P	19980518 (60)
US 1998-86430P	19980522 (60)
US 1998-86392P	19980522 (60)
US 1998-86486P	19980522 (60)
US 1998-86414P	19980522 (60)
US 1998-87208P	19980528 (60)
US 1998-87106P	19980528 (60)
US 1998-87098P	19980528 (60)
US 1998-91010P	19980626 (60)
US 1998-90863P	19980626 (60)
US 1998-91359P	19980701 (60)
US 1998-94651P	19980730 (60)
US 1998-100038P	19980911 (60)
US 1998-109304P	19981120 (60)
US 1998-113296P	19981222 (60)
US 1998-113621P	19981223 (60)
US 1999-123957P	19990312 (60)
US 1999-126773P	19990329 (60)
US 1999-130232P	19990421 (60)
US 1999-131022P	19990426 (60)
US 1999-131445P	19990428 (60)
US 1999-134287P	19990514 (60)
US 1999-139557P	19990616 (60)
US 1999-141037P	19990623 (60)
US 1999-142680P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

L5 ANSWER 5 OF 66 USPATFULL (Continued)

NUMBER OF CLAIMS:	94111
EXEMPLARY CLAIM:	57
NUMBER OF DRAWINGS:	1
LINE COUNT:	21872

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 6 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71952 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Aashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, CA, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kijavits, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Turner, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003050239	A1	20030313
APPLICATION INFO.:	US 2001-978191	A1	20011015 (9)
RELATED APPL. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17 Mar		
Ser.	1998, GRANTED, Pat. No. US 6391311 Continuation of No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7 1998, ABANDONED Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED		
Nov	Continuation of Ser. No. US 1998-187368, filed on 6 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED		
Mar	Continuation of Ser. No. US 1999-254465, filed on 5 1999, GRANTED, Pat. No. US 6410708 Continuation of No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		
Ser.			
Pat.			

L5 ANSWER 6 OF 66 USPATFULL (Continued)

WO 2000-US13705 20000517
WO 2000-US14042 20000522
WO 2000-US14941 20000530
WO 2000-US15264 20000602
WO 2000-US20710 20000728
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US34956 20001220
WO 2001-US5520 20010228
WO 2001-US9552 20010322
WO 2001-US17092 20010525
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1997-62250P 19971017 (60)
US 1997-64249P 19971103 (60)
US 1997-65311P 19971113 (60)
US 1997-66364P 19971121 (60)
US 1998-77450P 19980310 (60)
US 1998-77632P 19980311 (60)
US 1998-77641P 19980311 (60)
US 1998-77649P 19980311 (60)
US 1998-77791P 19980312 (60)
US 1998-78004P 19980313 (60)
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US 1998-78936P 19980320 (60)
US 1998-78910P 19980320 (60)
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US 1998-79663P 19980327 (60)
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US 1998-80334P 19980401 (60)
US 1998-81070P 19980408 (60)
US 1998-81049P 19980408 (60)
US 1998-81071P 19980408 (60)
US 1998-81195P 19980409 (60)
US 1998-81203P 19980409 (60)
US 1998-81229P 19980409 (60)
US 1998-81955P 19980415 (60)
US 1998-81817P 19980415 (60)
US 1998-81819P 19980415 (60)
US 1998-81952P 19980415 (60)
US 1998-81838P 19980415 (60)
US 1998-82568P 19980421 (60)
US 1998-82569P 19980421 (60)
US 1998-82704P 19980422 (60)

L5 ANSWER 6 OF 66 USPATFULL (Continued)
No. US 6455283 Continuation of Ser. No. US

1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

PRIORITY INFORMATION:

NUMBER	DATE
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10733	19990514
WO 1999-US12542	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000224
WO 2000-US6319	20000310
WO 2000-US8439	20000330

L5 ANSWER 6 OF 66 USPATFULL (Continued)

US 1998-82804P 19980422 (60)
US 1998-82700P 19980422 (60)
US 1998-82797P 19980422 (60)
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US 1998-83336P 19980427 (60)
US 1998-83322P 19980428 (60)
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US 1998-83559P 19980429 (60)
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US 1998-84366P 19980505 (60)
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US 1998-84637P 19980507 (60)
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US 1998-86023P 19980518 (60)
US 1998-86430P 19980522 (60)
US 1998-86392P 19980522 (60)
US 1998-86486P 19980522 (60)
US 1998-86414P 19980522 (60)
US 1998-87208P 19980528 (60)
US 1998-87106P 19980528 (60)
US 1998-87098P 19980528 (60)
US 1998-91010P 19980626 (60)
US 1998-90863P 19980626 (60)
US 1998-91359P 19980701 (60)
US 1998-94651P 19980730 (60)
US 1998-100038P 19980911 (60)
US 1998-109304P 19981120 (60)
US 1998-113296P 19981222 (60)
US 1998-113621P 19981223 (60)
US 1999-123957P 19990312 (60)
US 1999-126773P 19990329 (60)
US 1999-130222P 19990421 (60)
US 1999-131022P 19990426 (60)
US 1999-131445P 19990428 (60)
US 1999-134287P 19990514 (60)
US 1999-139557P 19990616 (60)

L5 ANSWER 6 OF 66 USPATFULL (Continued)
US 1999-141037P 19990623 (60)
US 1999-142680P 19990707 (60)
US 1999-145698P 19990726 (60)
US 1999-146222P 19990728 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT
BEACH, CA, 92660
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 15094
AB The present invention is directed to novel polypeptides and to nucleic
acid molecules encoding those polypeptides. Also provided herein are
vectors and host cells comprising those nucleic acid sequences,
chimeric
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

L5 ANSWER 7 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71449 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic
acids encoding the same
INVENTOR(S): Denoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
US 2001049734 A1 20030313
US 2001-36150 A1 20011226 (10)
PATENT INFORMATION: Continuation of Ser. No. US 2001-931836, filed on 16
Aug 2001, PENDING
RELATED APPLN. INFO.:
NUMBER DATE
WO 1999-US10733 19990514
WO 1999-US28551 19991202
WO 1999-US10720 19991222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US14042 20000522
WO 2000-US15264 20000602
WO 2000-US23522 20000823
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1998-85579P 19980515 (60)
US 1998-112514P 19981215 (60)
US 1998-113300P 19981222 (60)
US 1998-113430P 19981223 (60)
US 1998-113605P 19981223 (60)
US 1998-113621P 19981223 (60)
US 1998-114140P 19981223 (60)
US 1999-115552P 19990112 (60)
US 1999-116843P 19990122 (60)
US 1999-125774P 19990323 (60)
US 1999-125778P 19990323 (60)
US 1999-125826P 19990324 (60)
US 1999-127035P 19990331 (60)
US 1999-127706P 19990405 (60)
US 1999-129122P 19990413 (60)
US 1999-130359P 19990421 (60)

L5 ANSWER 7 OF 66 USPATFULL (Continued)
US 1999-131270P 19990427 (60)
US 1999-131272P 19990427 (60)
US 1999-131291P 19990427 (60)
US 1999-132371P 19990504 (60)
US 1999-132379P 19990504 (60)
US 1999-132383P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-138166P 19990608 (60)
US 1999-144791P 19990720 (60)
US 1999-146970P 19990803 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite
1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11519
AB The present invention is directed to novel polypeptides and to nucleic
acid molecules encoding those polypeptides. Also provided herein are
vectors and host cells comprising those nucleic acid sequences,
chimeric
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

L5 ANSWER 8 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71399 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic
acids encoding the same
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Denoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
US 2003049684 A1 20030313
US 2001-17081 A1 20011024 (10)
PATENT INFORMATION: Continuation of Ser. No. US 2001-918585, filed on 30
Jul 2001, PENDING Continuation of Ser. No. US
1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US
6391311 Continuation of Ser. No. US 1998-105413, filed
on 26 Jun 1998, ABANDONED Continuation of Ser. No. US
1998-168978, filed on 7 Oct 1998, ABANDONED
Continuation of Ser. No. US 1998-184216, filed on 2
Nov 1998, ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998,
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998, ABANDONED Continuation of Ser. No. US
1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US
6410708 Continuation of Ser. No. US 1999-265686, filed
on 10 Mar 1999, GRANTED, Pat. No. US 6455283
Continuation of Ser. No. US 1999-267213, filed on 12
Mar 1999, ABANDONED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 380137,
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US

L5 ANSWER 8 OF 66 USPATFULL (Continued)
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
Nov 2000, ABANDONED Continuation of Ser. No. US
2000-723749, filed on 27 Nov 2000, PENDING
Continuation
of Ser. No. US 2000-747259, filed on 20 Dec 2000,
PENDING Continuation of Ser. No. US 2001-816744, filed
on 22 Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
Continuation
of Ser. No. US 2001-854280, filed on 10 May 2001,
PENDING Continuation of Ser. No. US 2001-854208, filed
on 10 May 2001, PENDING Continuation of Ser. No. US
2001-872035, filed on 1 Jun 2001, ABANDONED
Continuation of Ser. No. US 2001-874503, filed on 5
Jun 2001, PENDING Continuation of Ser. No. US 2001-882636,
filed on 14 Jun 2001, ABANDONED Continuation of Ser.
No. US 2001-886342, filed on 19 Jun 2001, ABANDONED

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990108
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000224
	WO 2000-US6319	20000310
	WO 2000-US8439	20000330
	WO 2000-US13705	20000517
	WO 2000-US14042	20000522
	WO 2000-US14941	20000530
	WO 2000-US15264	20000602
	WO 2000-US20710	20000728
	WO 2000-US23328	20000824
	WO 2000-US32678	20001201
	WO 2000-US34956	20001220
	WO 2001-US6520	20010228
	WO 2001-US9552	20010322

L5 ANSWER 8 OF 66 USPATFULL (Continued)
US 1998-83495P 19980429 (60)
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US 1998-83545P 19980429 (60)
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US 1998-83559P 19980429 (60)
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US 1998-87208P 19980528 (60)
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US 1998-90863P 19980626 (60)
US 1998-91359P 19980701 (60)
US 1998-94651P 19980730 (60)
US 1998-100038P 19980911 (60)
US 1998-109304P 19981120 (60)
US 1998-113296P 19981222 (60)
US 1998-113621P 19981223 (60)
US 1999-123957P 19990312 (60)
US 1999-126773P 19990329 (60)
US 1999-130232P 19990421 (60)
US 1999-131022P 19990426 (60)
US 1999-131445P 19990428 (60)
US 1999-134287P 19990514 (60)
US 1999-139557P 19990616 (60)
US 1999-141037P 19990623 (60)
US 1999-142680P 19990707 (60)
US 1999-145698P 19990726 (60)
US 1999-146222P 19990728 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE:
FILE SEGMENT: APPLICATION

L5 ANSWER 8 OF 66 USPATFULL (Continued)
WO 2001-US17092 20010525
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1997-62250P 19971017 (60)
US 1997-64249P 19971103 (60)
US 1997-65311P 19971113 (60)
US 1997-66364P 19971121 (60)
US 1998-77450P 19980310 (60)
US 1998-77632P 19980311 (60)
US 1998-77641P 19980311 (60)
US 1998-77649P 19980311 (60)
US 1998-77791P 19980312 (60)
US 1998-78004P 19980313 (60)
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US 1998-78939P 19980320 (60)
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US 1998-81203P 19980409 (60)
US 1998-81229P 19980409 (60)
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US 1998-81817P 19980415 (60)
US 1998-81819P 19980415 (60)
US 1998-81952P 19980415 (60)
US 1998-81838P 19980415 (60)
US 1998-82568P 19980421 (60)
US 1998-82569P 19980421 (60)
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US 1998-82804P 19980422 (60)
US 1998-82700P 19980422 (60)
US 1998-82797P 19980422 (60)
US 1998-82796P 19980423 (60)
US 1998-83336P 19980427 (60)
US 1998-83322P 19980428 (60)
US 1998-83392P 19980429 (60)

L5 ANSWER 8 OF 66 USPATFULL (Continued)
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 2040 MAIN STREET,
FOURTEENTH FLOOR, IRVINE, CA, 92614
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21673
AB The present invention is directed to novel polypeptides and to nucleic
acid molecules encoding those polypeptides. Also provided herein are
vectors and host cells comprising those nucleic acid sequences,
chimeric
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for
producing the polypeptides of the present invention.

L5 ANSWER 9 OF 66 USPATFULL
ACCESSION NUMBER: 2003:71348 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Aabkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillaborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Turner, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillaborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003049633	A1	20030313
APPLICATION INFO.:	US 2001-978585	A1	20011016 (9)
RELATED APPL. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US 6391311 Continuation of		
Ser.	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED		
Nov	Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED		
Mar	Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708 Continuation of		
Ser.	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		
Pat.			

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WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228
WO 2001-US9552	20010322
WO 2001-US17092	20010525
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-62250P	19971017 (60)
US 1997-64249P	19971103 (60)
US 1997-65311P	19971113 (60)
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US 1998-81817P	19980415 (60)
US 1998-81819P	19980415 (60)
US 1998-81952P	19980415 (60)
US 1998-81838P	19980415 (60)
US 1998-82568P	19980421 (60)
US 1998-82569P	19980421 (60)
US 1998-82704P	19980422 (60)

L5 ANSWER 9 OF 66 USPATFULL (Continued)

No. US 6455283 Continuation of Ser. No. US 1999-267213, filed on 12 Mar 1999, ABANDONED Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, ABANDONED Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-872035, filed on 1 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-886342, filed on 19 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5198	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
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	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000324
	WO 2000-US6319	20000310
	WO 2000-US8439	20000330

L5 ANSWER 9 OF 66 USPATFULL (Continued)

US 1998-82804P	19980422 (60)
US 1998-82700P	19980422 (60)
US 1998-82797P	19980422 (60)
US 1998-82796P	19980423 (60)
US 1998-83336P	19980427 (60)
US 1998-83322P	19980428 (60)
US 1998-83392P	19980429 (60)
US 1998-83495P	19980429 (60)
US 1998-83496P	19980429 (60)
US 1998-83499P	19980429 (60)
US 1998-83545P	19980429 (60)
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US 1998-83554P	19980429 (60)
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US 1998-94651P	19980730 (60)
US 1998-100038P	19980911 (60)
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US 1999-123957P	19990312 (60)
US 1999-126773P	19990329 (60)
US 1999-130232P	19990421 (60)
US 1999-131022P	19990426 (60)
US 1999-131445P	19990428 (60)
US 1999-134287P	19990514 (60)
US 1999-139557P	19990616 (60)

L5 ANSWER 9 OF 66 USPATFULL (Continued)
 US 1999-141037P 19990623 (60)
 US 1999-142680P 19990707 (60)
 US 1999-145698P 19990726 (60)
 US 1999-146222P 19990728 (60)
 US 1999-162505P 19991029 (60)
 DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
 Suite 1150, 201 California Street, San Francisco, CA,
 94111
 NUMBER OF CLAIMS: 57
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 237 Drawing Page(s)
 LINE COUNT: 21674
 AB The present invention is directed to novel polypeptides and to nucleic
 acid molecules encoding those polypeptides. Also provided herein are
 vectors and host cells comprising those nucleic acid sequences.
 chimeric polypeptide molecules comprising the polypeptides of the present
 invention fused to heterologous polypeptide sequences, antibodies which
 bind to the polypeptides of the present invention and to methods for
 producing the polypeptides of the present invention.

L5 ANSWER 10 OF 66 USPATFULL
 ACCESSION NUMBER: 2003:65338 USPATFULL
 TITLE: Secreted and transmembrane polypeptides and nucleic
 acids encoding the same
 INVENTOR(S): Aahkenazi, Avi J., San Mateo, CA, UNITED STATES
 Baker, Kevin P., Darnestown, MD, UNITED STATES
 Botstein, David, Belmont, CA, UNITED STATES
 Deanoysers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Filvaroff, Ellen, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Burlingame, CA, UNITED STATES
 Grimaldi, J. Christopher, San Francisco, CA, UNITED
 STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Hillan, Kenneth J., San Francisco, CA, UNITED STATES
 Kijavini, Ivar J., Lafayette, CA, UNITED STATES
 Kuo, Sophia S., San Francisco, CA, UNITED STATES
 Napier, Mary A., Hillaborough, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Shelton, David L., Oakland, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tuman, Daniel, Orinda, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William L., Hillaborough, CA, UNITED STATES
 Genentech, Inc. (2)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003045462	A1	20030306
APPLICATION INFO.:	US 2001-978608	A1	20011016 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-40220, filed on 17		
Mar	1998, GRANTED, Pat. No. US 6391311 Continuation of		
Ser.	No. US 1998-105413, filed on 26 Jun 1998, ABANDONED		
Oct	Continuation of Ser. No. US 1998-168978, filed on 7		
Nov	1998, ABANDONED Continuation of Ser. No. US		
	1998-184216, filed on 2 Nov 1998, ABANDONED		
	Continuation of Ser. No. US 1998-187368, filed on 6		
Mar	1998, PENDING Continuation of Ser. No. US 1998-202054,		
Ser.	filed on 7 Dec 1998, PENDING Continuation of Ser. No.		
Pat.	US 1998-218517, filed on 22 Dec 1998, ABANDONED		
	Continuation of Ser. No. US 1999-254465, filed on 5		
	1999, GRANTED, Pat. No. US 6410708 Continuation of		
	No. US 1999-265686, filed on 10 Mar 1999, GRANTED,		

L5 ANSWER 10 OF 66 USPATFULL (Continued)
 No. US 6455283 Continuation of Ser. No. US
 1999-267213,
 filed on 12 Mar 1999, ABANDONED Continuation of Ser.
 No. US 1999-284291, filed on 12 Apr 1999, ABANDONED
 Continuation of Ser. No. US 1999-311832, filed on 14
 May 1999, PENDING Continuation of Ser. No. US 380137,
 PENDING Continuation of Ser. No. US 1999-380138, filed
 on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
 1999-380142, filed on 25 Aug 1999, ABANDONED
 Continuation of Ser. No. US 2000-709238, filed on 8
 Nov
 2000, ABANDONED Continuation of Ser. No. US
 2000-723749, filed on 27 Nov 2000, PENDING
 Continuation
 of Ser. No. US 2000-747259, filed on 20 Dec 2000,
 PENDING Continuation of Ser. No. US 2001-816744, filed
 on 22 Mar 2001, PENDING Continuation of Ser. No. US
 2001-816920, filed on 22 Mar 2001, PENDING
 Continuation
 of Ser. No. US 2001-854280, filed on 10 May 2001,
 PENDING Continuation of Ser. No. US 2001-854208, filed
 on 10 May 2001, PENDING Continuation of Ser. No. US
 2001-872035, filed on 1 Jun 2001, ABANDONED
 Continuation of Ser. No. US 2001-874503, filed on 5
 Jun
 2001, PENDING Continuation of Ser. No. US 2001-882636,
 filed on 14 Jun 2001, ABANDONED Continuation of Ser.
 No. US 2001-886342, filed on 19 Jun 2001, ABANDONED
 Continuation of Ser. No. US 2001-918585, filed on 30
 Jul 2001, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000224
	WO 2000-US6319	20000310
	WO 2000-US8439	20000330
	WO 2000-US13705	20000517
	WO 2000-US14042	20000522
	WO 2000-US14941	20000530
	WO 2000-US15264	20000602

L5 ANSWER 10 OF 66 USPATFULL (Continued)
 WO 2000-US20710 200000728
 WO 2000-US31318 200000824
 WO 2000-US32678 20001201
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 WO 2001-US17092 20010525
 WO 2001-US17800 20010601
 WO 2001-US19692 20010620
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 US 1998-81229P 19980409 (60)
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 US 1998-81952P 19980415 (60)
 US 1998-81838P 19980415 (60)
 US 1998-82568P 19980421 (60)
 US 1998-82569P 19980421 (60)
 US 1998-82704P 19980422 (60)
 US 1998-82804P 19980422 (60)
 US 1998-82700P 19980422 (60)
 US 1998-82797P 19980422 (60)
 US 1998-82796P 19980423 (60)

L5 ANSWER 10 OF 66 USPATFULL (Continued)

US 1998-83336P	19980427 (60)
US 1998-83322P	19980428 (60)
US 1998-83302P	19980429 (60)
US 1998-83495P	19980429 (60)
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US 1998-84366P	19980505 (60)
US 1998-84414P	19980506 (60)
US 1998-84441P	19980506 (60)
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US 1998-85582P	19980515 (60)
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US 1998-85573P	19980515 (60)
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US 1998-86023P	19980518 (60)
US 1998-86430P	19980522 (60)
US 1998-86392P	19980522 (60)
US 1998-86486P	19980522 (60)
US 1998-86414P	19980522 (60)
US 1998-87208P	19980528 (60)
US 1998-87106P	19980528 (60)
US 1998-87098P	19980528 (60)
US 1998-91010P	19980626 (60)
US 1998-90863P	19980626 (60)
US 1998-91359P	19980701 (60)
US 1998-94651P	19980730 (60)
US 1998-100038P	19980811 (60)
US 1998-109304P	19981120 (60)
US 1998-113296P	19981222 (60)
US 1998-113621P	19981223 (60)
US 1999-123957P	19990312 (60)
US 1999-126773P	19990329 (60)
US 1999-130232P	19990421 (60)
US 1999-131022P	19990426 (60)
US 1999-131445P	19990428 (60)
US 1999-134287P	19990514 (60)
US 1999-139557P	19990616 (60)

L5 ANSWER 11 OF 66 USPATFULL

ACCESSION NUMBER: 2003/64781 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
 Baker, Kevin P., Darnestown, MD, UNITED STATES
 Botstein, David A., Belmont, CA, UNITED STATES
 Desnoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Hillsborough, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Kijavrin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Napier, Mary A., Hillsborough, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumes, Daniel, Orinda, CA, UNITED STATES
 Watanabe, Colin K., Moraga, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William L., Hillsborough, CA, UNITED STATES
 Zhang, Zemin, Foster City, CA, UNITED STATES
 Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2003044902	A1	20030306
US 2002-66193	A1	20020201 (10)

Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER	DATE
WO 1998-US19093	19980914
WO 1998-US19130	19980916
WO 1998-US19437	19980917
WO 1998-US24855	19981120
WO 1998-US25108	19981201
WO 1998-US25190	19981125
WO 1999-US5028	19990308
WO 1999-US12252	19990602
WO 1999-US20111	19990901
WO 1999-US20594	19990908
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US28301	19991201
WO 1999-US28313	19991130
WO 1999-US28565	19991202
WO 1999-US30999	19991220
WO 2000-US219	20000105
WO 2000-US4341	20000218
WO 2000-US4342	20000218
WO 2000-US4414	20000222
WO 2000-US5601	20000301

L5 ANSWER 10 OF 66 USPATFULL (Continued)

US 1999-141037P	19990623 (60)
US 1999-142680P	19990707 (60)
US 1999-145698P	19990726 (60)
US 1999-146222P	19990728 (60)
US 1999-162506P	19991029 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 57

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 237 Drawing Page(s)

LINE COUNT: 21638

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 11 OF 66 USPATFULL (Continued)

WO 2000-US5841	20000302
WO 2000-US6471	20000309
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US13358	20000515
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US22031	20000811
WO 2000-US23328	20000824
WO 2000-US23522	20000823
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17443	20010530
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-56974P	19970826 (60)
US 1997-59115P	19970917 (60)
US 1997-59263P	19970918 (60)
US 1997-59588P	19970919 (60)
US 1997-62285P	19971017 (60)
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US 1997-63082P	19971024 (60)
US 1997-63329P	19971027 (60)
US 1997-63733P	19971029 (60)
US 1997-66364P	19971121 (60)
US 1997-66840P	19971125 (60)
US 1997-69694P	19971216 (60)
US 1998-74086P	19980209 (60)
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US 1998-95998P	19980810 (60)
US 1998-97000P	19980818 (60)
US 1998-99601P	19980909 (60)
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US 1998-99812P	19980910 (60)
US 1998-100858P	19980917 (60)
US 1998-101922P	19980924 (60)
US 1998-106032P	19981028 (60)
US 1998-109304P	19981120 (60)
US 1999-125778P	19990323 (60)
US 1999-139695P	19990615 (60)
US 1999-145070P	19990720 (60)
US 1999-145698P	19990726 (60)
US 1999-149396P	19990817 (60)
US 1999-169495P	19991207 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 39

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 75 Drawing Page(s)

LINE COUNT: 12208

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 66 USPATFULL (Continued)
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 12 OF 66 USPATFULL
ACCESSION NUMBER: 2003:64723 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darneestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Deanoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoi, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tomas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (non-U.S. corporation)

PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 2003044844 A1 20030306
APPLICATION INFO.: US 2002-66211 A1 20020201 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER DATE
PRIORITY INFORMATION: WO 1998-US14552 19980714
WO 1998-US18824 19980910
WO 1998-US19093 19980914
WO 1998-US19330 19980916
WO 1998-US19437 19980917
WO 1998-US24855 19981120
WO 1998-US25108 19981201
WO 1998-US25190 19981125
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WO 1999-US12252 19990602
WO 1999-US20111 19990901
WO 1999-US20594 19990908
WO 1999-US21090 19990915
WO 1999-US21547 19990915
WO 1999-US28301 19991201
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WO 1999-US28565 19991202

L5 ANSWER 12 OF 66 USPATFULL (Continued)
WO 1999-US10999 19991220
WO 2000-US219 20000105
WO 2000-US4341 20000218
WO 2000-US4342 20000218
WO 2000-US4414 20000222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
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WO 2000-US13358 20000515
WO 2000-US13705 20000517
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WO 2000-US14941 20000530
WO 2000-US15264 20000602
WO 2000-US22031 20000811
WO 2000-US23328 20000824
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US 1999-139695P 19990615 (60)
US 1999-145070P 19990720 (60)
US 1999-145698P 19990726 (60)
US 1999-149396P 19990817 (60)
US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, 201

LS ANSWER 13 OF 66 USPATFULL
ACCESSION NUMBER: 2003:64721 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hilleborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)
NUMBER KIND DATE

PATENT INFORMATION: US 2003044842 A1 20030306
APPLICATION INFO.: US 2001-36160 A1 20011226 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING

PRIORITY INFORMATION: WO 1999-US10733 19990514
WO 1999-US28551 19991202
WO 1999-US10720 19991222
WO 2000-US5601 20000101
WO 2000-US5841 20000102
WO 2000-US14042 20000522
WO 2000-US15264 20000602
WO 2000-US23522 20000823
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1998-85579P 19980515 (60)
US 1998-112514P 19981215 (60)
US 1998-113300P 19981222 (60)
US 1998-113430P 19981223 (60)
US 1998-113605P 19981223 (60)
US 1998-113621P 19981223 (60)
US 1998-114140P 19981223 (60)
US 1999-115552P 19990112 (60)
US 1999-116843P 19990122 (60)
US 1999-125774P 19990323 (60)
US 1999-125778P 19990323 (60)
US 1999-125826P 19990324 (60)
US 1999-127035P 19990331 (60)
US 1999-127706P 19990405 (60)
US 1999-129122P 19990413 (60)
US 1999-130359P 19990421 (60)

LS ANSWER 14 OF 66 USPATFULL
ACCESSION NUMBER: 2003:57450 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Aashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Derneestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hilleborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Klijavin, Ivar J., Lafayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)
NUMBER KIND DATE

PATENT INFORMATION: US 2003040014 A1 20030227
APPLICATION INFO.: US 2002-66269 A1 20020201 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

PRIORITY INFORMATION: WO 1998-US14552 19980714
WO 1998-US18824 19980910
WO 1998-US19093 19980914
WO 1998-US19330 19980916
WO 1998-US19437 19980917
WO 1998-US24855 19981120
WO 1998-US25108 19981201
WO 1998-US25190 19981125
WO 1999-US5028 19990308
WO 1999-US12252 19990602
WO 1999-US20111 19990901
WO 1999-US20594 19990908
WO 1999-US21090 19990915
WO 1999-US21547 19990915
WO 1999-US28301 19991201
WO 1999-US28313 19991130
WO 1999-US28565 19991202
WO 1999-US30999 19991220
WO 2000-US219 20000105
WO 2000-US4341 20000218
WO 2000-US4342 20000218

LS ANSWER 13 OF 66 USPATFULL (Continued)
US 1999-131270P 19990427 (60)
US 1999-131272P 19990427 (60)
US 1999-131291P 19990427 (60)
US 1999-132371P 19990504 (60)
US 1999-132379P 19990504 (60)
US 1999-132383P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-138166P 19990608 (60)
US 1999-144791P 19990720 (60)
US 1999-146970P 19990803 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(a)
LINE COUNT: 11477
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 14 OF 66 USPATFULL (Continued)
WO 2000-US4414 20000222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US5471 20000309
WO 2000-US7377 20000320
WO 2000-US8439 20000330
WO 2000-US13358 20000515
WO 2000-US13705 20000517
WO 2000-US14042 20000522
WO 2000-US14941 20000530
WO 2000-US15264 20000602
WO 2000-US22031 20000811
WO 2000-US23328 20000824
WO 2000-US23522 20000823
WO 2000-US32678 20001201
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WO 2001-US17443 20010530
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1997-56974P 19970826 (60)
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US 1997-62285P 19971017 (60)
US 1997-62816P 19971024 (60)
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US 1997-63129P 19971027 (60)
US 1997-63733P 19971029 (60)
US 1997-66364P 19971121 (60)
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US 1998-109304P 19981120 (60)
US 1999-125778P 19990323 (60)
US 1999-139695P 19990615 (60)
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US 1999-145698P 19990726 (60)
US 1999-149396P 19990817 (60)
US 1999-169495P 19991207 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)

L5 ANSWER 14 OF 66 USPATFULL (Continued)
LINE COUNT: 12217
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences.
chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 15 OF 66 USPATFULL
ACCESSION NUMBER: 2001:44753 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Deanoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Kljasin, Ivar J., Lafayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoletti, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tomas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 2003032063 A1 20030213
APPLICATION INFO.: US 2002-66494 A1 20020201 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER DATE
PRIORITY INFORMATION: WO 1998-US19093 19980914
WO 1998-US19330 19980916
WO 1998-US19437 19980917
WO 1998-US24855 19981120
WO 1998-US25108 19981201
WO 1998-US25190 19981125
WO 1999-US5028 19990308
WO 1999-US12252 19990602
WO 1999-US20111 19990901
WO 1999-US20594 19990908
WO 1999-US21090 19990915
WO 1999-US21547 19990915
WO 1999-US28301 19991201
WO 1999-US28313 19991130
WO 1999-US28565 19991202
WO 1999-US30999 19991220
WO 2000-US219 20000105

L5 ANSWER 15 OF 66 USPATFULL (Continued)
WO 2000-US4341 20000218
WO 2000-US4342 20000218
WO 2000-US4414 20000222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US6471 20000309
WO 2000-US7377 20000320
WO 2000-US8439 20000330
WO 2000-US13358 20000515
WO 2000-US13705 20000517
WO 2000-US14042 20000522
WO 2000-US14941 20000530
WO 2000-US15264 20000602
WO 2000-US22031 20000811
WO 2000-US23328 20000824
WO 2000-US23522 20000823
WO 2000-US22678 20001201
WO 2001-US6520 20010228
WO 2001-US17443 20010530
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1997-56974P 19970826 (60)
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US 1997-63733P 19971029 (60)
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US 1997-66840P 19971125 (60)
US 1997-69694P 19971216 (60)
US 1998-74086P 19980209 (60)
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US 1998-95998P 19980810 (60)
US 1998-97000P 19980818 (60)
US 1998-99601P 19980909 (60)
US 1998-99803P 19980910 (60)
US 1998-99811P 19980910 (60)
US 1998-99812P 19980910 (60)
US 1998-10085P 19980917 (60)
US 1998-101922P 19980924 (60)
US 1998-106032P 19981028 (60)
US 1998-109304P 19981120 (60)
US 1999-135778P 19990323 (60)
US 1999-139695P 19990615 (60)
US 1999-145070P 19990720 (60)
US 1999-145698P 19990726 (60)
US 1999-149396P 19990817 (60)
US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS: 39

L5 ANSWER 16 OF 66 USPATFULL
ACCESSION NUMBER: 2003:44752 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Geo, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoletti, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tomas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William L., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 2003032062 A1 20030213
APPLICATION INFO.: US 2002-66273 A1 20020201 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING

NUMBER DATE
PRIORITY INFORMATION: WO 1998-US14552 19980714
WO 1998-US18824 19980910
WO 1998-US19093 19980914
WO 1998-US19330 19980916
WO 1998-US19437 19980917
WO 1998-US24855 19981120
WO 1998-US25108 19981201
WO 1998-US25190 19981125
WO 1999-US5028 19990308
WO 1999-US12252 19990602
WO 1999-US20111 19990901
WO 1999-US20594 19990908
WO 1999-US21090 19990915
WO 1999-US21547 19990915
WO 1999-US28301 19991201
WO 1999-US28313 19991130
WO 1999-US28565 19991202

L5 ANSWER 16 OF 66 USPATFULL (Continued)
DOCUMENT TYPE: US 1999-169495P 19991207 (60)
FILE SEGMENT: Utility
LEGAL REPRESENTATIVE: APPLICATION
KNOBBE, MARTENS, OLSON & BEAR, LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 16 OF 66 USPATFULL (Continued)
WO 1999-US10999 19991220
WO 2000-US219 20000105
WO 2000-US4341 20000218
WO 2000-US4342 20000218
WO 2000-US4414 20000222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US6471 20000309
WO 2000-US7377 20000320
WO 2000-US8439 20000330
WO 2000-US13358 20000515
WO 2000-US13705 20000517
WO 2000-US14042 20000522
WO 2000-US14941 20000530
WO 2000-US15264 20000602
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WO 2001-US21066 20010629
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US 1997-56974P 19970826 (60)
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US 1997-62285P 19971017 (60)
US 1997-62816P 19971024 (60)
US 1997-63082P 19971024 (60)
US 1997-63329P 19971027 (60)
US 1997-63733P 19971029 (60)
US 1997-66364P 19971121 (60)
US 1997-66840P 19971125 (60)
US 1997-69694P 19971216 (60)
US 1998-74086P 19980209 (60)
US 1998-74092P 19980209 (60)
US 1998-79294P 19980325 (60)
US 1998-81049P 19980408 (60)
US 1998-95998P 19980810 (60)
US 1998-97000P 19980818 (60)
US 1998-99601P 19980909 (60)
US 1998-99803P 19980910 (60)
US 1998-99811P 19980910 (60)
US 1998-99812P 19980910 (60)
US 1998-100858P 19980917 (60)
US 1998-101922P 19980924 (60)
US 1998-106032P 19981028 (60)
US 1998-109304P 19981120 (60)
US 1999-125778P 19990323 (60)
US 1999-139695P 19990615 (60)
US 1999-145070P 19990720 (60)
US 1999-145698P 19990726 (60)
US 1999-149396P 19990817 (60)

L5 ANSWER 17 OF 66 USPATFULL
ACCESSION NUMBER: 2003:44751 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William L., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 2003032061 A1 20030213
APPLICATION INFO.: US 2001-16214 A1 20011226 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING

NUMBER DATE
PRIORITY INFORMATION: WO 1999-US10733 19990514
WO 1999-US28551 19991202
WO 1999-US10720 19991222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US14042 20000522
WO 2000-US15264 20000602
WO 2000-US23522 20000823
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US14956 20001220
WO 2001-US6520 20010228
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1998-85579P 19980515 (60)
US 1998-112514P 19981215 (60)
US 1998-113300P 19981222 (60)
US 1998-113430P 19981222 (60)
US 1998-113605P 19981223 (60)
US 1998-113621P 19981223 (60)
US 1998-114140P 19981223 (60)
US 1999-115552P 19990112 (60)
US 1999-116843P 19990122 (60)
US 1999-125774P 19990321 (60)
US 1999-125778P 19990321 (60)
US 1999-125826P 19990324 (60)
US 1999-127035P 19990331 (60)
US 1999-127706P 19990405 (60)
US 1999-129122P 19990413 (60)
US 1999-130359P 19990421 (60)
US 1999-131270P 19990427 (60)
US 1999-131272P 19990427 (60)
US 1999-131291P 19990427 (60)
US 1999-132371P 19990504 (60)

LS ANSWER 17 OF 66 USPATFULL (Continued)

US 1999-132179P 19990504 (60)
 US 1999-132183P 19990504 (60)
 US 1999-135750P 19990525 (60)
 US 1999-138166P 19990608 (60)
 US 1999-144791P 19990720 (60)
 US 1999-146970P 19990803 (60)
 US 1999-162506P 19991029 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe, Martens, Olson & Bear, LLP, 201 California Street #1150, San Francisco, CA, 94111-3335

NUMBER OF CLAIMS: 21
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 46 Drawing Page(s)
 LINE COUNT: 11475
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 18 OF 66 USPATFULL

ACCESSION NUMBER: 2003:44747 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
 Baker, Kevin P., Darneestown, MD, UNITED STATES
 Botstein, David A., Belmont, CA, UNITED STATES
 Deanoyers, Luc, San Francisco, CA, UNITED STATES
 Eaton, Dan L., San Rafael, CA, UNITED STATES
 Ferrara, Napoleone, San Francisco, CA, UNITED STATES
 Fong, Sherman, Alameda, CA, UNITED STATES
 Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
 Gerber, Hanspeter, San Francisco, CA, UNITED STATES
 Gerritsen, Mary E., San Mateo, CA, UNITED STATES
 Goddard, Audrey, San Francisco, CA, UNITED STATES
 Godowski, Paul J., Hillaborough, CA, UNITED STATES
 Gurney, Austin L., Belmont, CA, UNITED STATES
 Kljavin, Ivar J., Lafayette, CA, UNITED STATES
 Mather, Jennie P., Millbrae, CA, UNITED STATES
 Napier, Mary A., Hillsborough, CA, UNITED STATES
 Pan, James, Belmont, CA, UNITED STATES
 Paoni, Nicholas F., Belmont, CA, UNITED STATES
 Roy, Margaret Ann, San Francisco, CA, UNITED STATES
 Stewart, Timothy A., San Francisco, CA, UNITED STATES
 Tumas, Daniel, Orinda, CA, UNITED STATES
 Watanabe, Colin K., Moraga, CA, UNITED STATES
 Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
 Wood, William I., Hillsborough, CA, UNITED STATES
 Zhang, Zemin, Foster City, CA, UNITED STATES
 GENENTECH, INC. (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003032057	A1	20030213
APPLICATION INFO.:	US 2001-2796	A1	20011115 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US14552	19980714
	WO 1998-US18824	19980910
	WO 1998-US19093	19980914
	WO 1998-US19330	19980916
	WO 1998-US19437	19980917
	WO 1998-US24855	19981120
	WO 1998-US25108	19981201
	WO 1998-US25190	19981125
	WO 1999-US5028	19990308
	WO 1999-US12252	19990602
	WO 1999-US20111	19990901
	WO 1999-US20594	19990908
	WO 1999-US21090	19990915
	WO 1999-US21547	19990915
	WO 1999-US28301	19991201
	WO 1999-US28313	19991130
	WO 1999-US28565	19991202
	WO 1999-US20999	19991220
	WO 2000-US219	20000105

LS ANSWER 18 OF 66 USPATFULL (Continued)

WO 2000-US4341 20000218
 WO 2000-US4342 20000218
 WO 2000-US4414 20000222
 WO 2000-US5601 20000301
 WO 2000-US5841 20000302
 WO 2000-US6471 20000309
 WO 2000-US7377 20000320
 WO 2000-US8439 20000330
 WO 2000-US13358 20000515
 WO 2000-US13705 20000517
 WO 2000-US14042 20000522
 WO 2000-US14941 20000530
 WO 2000-US15264 20000602
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 WO 2000-US23328 20000824
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 WO 2001-US17443 20010530
 WO 2001-US17800 20010601
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 US 1997-56974P 19970826 (60)
 US 1997-59115P 19970917 (60)
 US 1997-59263P 19970918 (60)
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 US 1997-62285P 19971017 (60)
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 US 1999-145070P 19990720 (60)
 US 1999-145698P 19990726 (60)
 US 1999-149396P 19990817 (60)
 US 1999-169495P 19991207 (60)

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Attn: Ginger R. Dreger, Esq., Knobbe, Martens, Olson & Bear, 201 California Street #1150, San Francisco, CA, 94111-3335

LS ANSWER 18 OF 66 USPATFULL (Continued)

NUMBER OF CLAIMS: 39
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 75 Drawing Page(s)
 LINE COUNT: 12185
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 19 OF 66 USPATFULL
ACCESSION NUMBER: 2003:37604 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Denoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
PATENT ASSIGNEE(S): GENENTECH, INC. (U.S. corporation)
NUMBER KIND DATE
PATENT INFORMATION: US 2003027249 A1 20030206
APPLICATION INFO.: US 2001-931836 A1 20010816 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-644848, filed on 22 Aug 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING
Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING
Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-869599, filed on 29 Jun 2001, ABANDONED Continuation of Ser. No. US 2001-908827, filed on 18 Jul 2001, PENDING
NUMBER DATE
PRIORITY INFORMATION: WO 1999-US10733 19990514
WO 1999-US28551 19991202
WO 1999-US10720 19991222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US14042 20000522
WO 2000-US15264 20000602
WO 2000-US23522 20000823
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1998-855799 19980515 (60)
US 1998-112514P 19981215 (60)

L5 ANSWER 20 OF 66 USPATFULL
ACCESSION NUMBER: 2003:10653 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Denoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)
NUMBER KIND DATE
PATENT INFORMATION: US 2003008348 A1 20030109
APPLICATION INFO.: US 2001-35855 A1 20011226 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING
NUMBER DATE
PRIORITY INFORMATION: WO 1999-US10733 19990514
WO 1999-US28551 19991202
WO 1999-US10720 19991222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
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WO 2000-US15264 20000602
WO 2000-US23522 20000823
WO 2000-US23328 20000824
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WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US17800 20010601
WO 2001-US19692 20010620
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US 1998-112514P 19981215 (60)
US 1998-113300P 19981222 (60)
US 1998-113430P 19981223 (60)
US 1998-113605P 19981223 (60)
US 1998-113621P 19981223 (60)
US 1998-114140P 19981223 (60)
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US 1999-116843P 19990122 (60)
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US 1999-131270P 19990427 (60)
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US 1999-132371P 19990504 (60)

L5 ANSWER 19 OF 66 USPATFULL (Continued)
US 1998-113300P 19981222 (60)
US 1998-113430P 19981223 (60)
US 1998-113605P 19981223 (60)
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US 1999-132371P 19990504 (60)
US 1999-132379P 19990504 (60)
US 1999-132383P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-138166P 19990608 (60)
US 1999-144791P 19990720 (60)
US 1999-146970P 19990803 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GENENTECH, INC., 1 DNA WAY, SOUTH SAN FRANCISCO, CA, 94080
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11478
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.
L5 ANSWER 20 OF 66 USPATFULL (Continued)
US 1999-132379P 19990504 (60)
US 1999-132383P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-138166P 19990608 (60)
US 1999-144791P 19990720 (60)
US 1999-146970P 19990803 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Drager, Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11475
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

LS ANSWER 21 OF 66 USPATFULL
ACCESSION NUMBER: 2003:4063 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Aeshkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filveroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Shelman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillon, Kenneth J., San Francisco, CA, UNITED STATES
Kijavits, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumbar, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

PATENT ASSIGNEE(S):
NUMBER KIND DATE
US 2003004102 A1 20030102
US 2001-978189 A1 20011015 (9)
Continuation of Ser. No. US 1998-40220, filed on 17
Mar
1998, PENDING Continuation of Ser. No. US 1998-105413,
filed on 26 Jun 1998, PENDING Continuation of Ser. No.
US 1998-168978, filed on 7 Oct 1998, PENDING
Continuation of Ser. No. US 1998-184216, filed on 2
Nov
1998, ABANDONED Continuation of Ser. No. US
1998-187368, filed on 6 Nov 1998, PENDING Continuation
of Ser. No. US 1998-202054, filed on 7 Dec 1998,
PENDING Continuation of Ser. No. US 1998-218517, filed
on 22 Dec 1998, ABANDONED Continuation of Ser. No. US
1999-254465, filed on 5 Mar 1999, PENDING Continuation
of Ser. No. US 1999-265686, filed on 10 Mar 1999,
PENDING Continuation of Ser. No. US 1999-267213, filed
on 12 Mar 1999, ABANDONED Continuation of Ser. No. US
1999-284291, filed on 12 Apr 1999, ABANDONED
Continuation of Ser. No. US 1999-311832, filed on 14
May 1999, PENDING Continuation of Ser. No. US 360137,

LS ANSWER 21 OF 66 USPATFULL (Continued)
PENDING Continuation of Ser. No. US 1999-380138, filed
on 25 Aug 1999, ABANDONED Continuation of Ser. No. US
1999-380142, filed on 25 Aug 1999, ABANDONED
Continuation of Ser. No. US 2000-709238, filed on 8
Nov
2000, PENDING Continuation of Ser. No. US 2000-723749,
filed on 27 Nov 2000, PENDING Continuation of Ser. No.
US 2000-747259, filed on 20 Dec 2000, PENDING
Continuation of Ser. No. US 2001-816744, filed on 22
Mar 2001, PENDING Continuation of Ser. No. US
2001-816920, filed on 22 Mar 2001, PENDING
Continuation
of Ser. No. US 2001-854280, filed on 10 May 2001,
PENDING Continuation of Ser. No. US 2001-854208, filed
on 10 May 2001, PENDING Continuation of Ser. No. US
2001-872035, filed on 1 Jun 2001, PENDING Continuation
of Ser. No. US 2001-874503, filed on 5 Jun 2001,
PENDING Continuation of Ser. No. US 2001-882636, filed
on 14 Jun 2001, PENDING Continuation of Ser. No. US
2001-886342, filed on 19 Jun 2001, PENDING
Continuation
of Ser. No. US 2001-918585, filed on 30 Jul 2001,
PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	WO 1998-US21141	19981007
	WO 1998-US24855	19981120
	WO 1999-US106	19990105
	WO 1999-US5028	19990308
	WO 1999-US5190	19990310
	WO 1999-US10733	19990514
	WO 1999-US12252	19990602
	WO 1999-US28313	19991130
	WO 1999-US28551	19991202
	WO 1999-US28565	19991202
	WO 1999-US30095	19991216
	WO 1999-US31243	19991230
	WO 1999-US31274	19991230
	WO 2000-US219	20000105
	WO 2000-US277	20000106
	WO 2000-US376	20000106
	WO 2000-US3565	20000211
	WO 2000-US4341	20000218
	WO 2000-US5841	20000302
	WO 2000-US7532	20000321
	WO 2000-US5004	20000224
	WO 2000-US6319	20000310
	WO 2000-US8439	20000330
	WO 2000-US13705	20000517
	WO 2000-US14042	20000522
	WO 2000-US14941	20000530
	WO 2000-US15264	20000602
	WO 2000-US20710	20000728
	WO 2000-US23328	20000824
	WO 2000-US32678	20001201

LS ANSWER 21 OF 66 USPATFULL (Continued)
WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US9552 20010322
WO 2001-US17092 20010525
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
WO 2001-US6520 20010228
WO 2000-US34956 20001220
WO 2000-US32678 20001201
WO 2000-US10873 20001110
WO 2000-US23328 20000824
WO 2000-US15264 20000602
WO 2000-US7532 20000321
WO 2000-US5841 20000302
WO 2000-US5601 20000301
WO 2000-US4341 20000218
WO 1999-US31274 19991230
WO 1999-US10733 19990514
US 1997-62250P 19971017 (60)
US 1997-64249P 19971103 (60)
US 1997-65311P 19971113 (60)
US 1997-66364P 19971121 (60)
US 1998-77450P 19980310 (60)
US 1998-77632P 19980311 (60)
US 1998-77641P 19980311 (60)
US 1998-77649P 19980311 (60)
US 1998-77791P 19980312 (60)
US 1998-78004P 19980313 (60)
US 1998-78886P 19980320 (60)
US 1998-78936P 19980320 (60)
US 1998-78910P 19980320 (60)
US 1998-78939P 19980320 (60)
US 1998-79294P 19980325 (60)
US 1998-79656P 19980326 (60)
US 1998-79664P 19980327 (60)
US 1998-79689P 19980327 (60)
US 1998-79663P 19980327 (60)
US 1998-79728P 19980327 (60)
US 1998-79786P 19980327 (60)
US 1998-79920P 19980330 (60)
US 1998-79923P 19980330 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
Suite 1150, 201 California Street, San Francisco, CA,
94111
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21608
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic
acid molecules encoding those polypeptides. Also provided herein are
vectors and host cells comprising those nucleic acid sequences,
chimeric
polypeptide molecules comprising the polypeptides of the present
invention fused to heterologous polypeptide sequences, antibodies which
bind to the polypeptides of the present invention and to methods for

LS ANSWER 21 OF 66 USPATFULL (Continued)
producing the polypeptides of the present invention.

L5 ANSWER 22 OF 66 USPATFULL
ACCESSION NUMBER: 2002:337392 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hilleborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)
NUMBER KIND DATE
PATENT INFORMATION: US 2002192751 A1 20021219
APPLICATION INFO.: US 2001-36041 A1 20011226 (10)
RELATED APPLN. INFO.: Continuation of Ser. No. US 2001-931836, filed on 16 Aug 2001, PENDING

PRIORITY INFORMATION: NUMBER DATE
WO 1999-US10733 19990514
WO 1999-US28551 19991202
WO 1999-US30720 19991222
WO 2000-US5601 20000301
WO 2000-US5841 20000302
WO 2000-US14042 20000522
WO 2000-US15264 20000602
WO 2000-US23522 20000823
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1998-85579P 19980515 (60)
US 1998-112514P 19981215 (60)
US 1998-113300P 19981222 (60)
US 1998-113430P 19981223 (60)
US 1998-113605P 19981223 (60)
US 1998-113621P 19981223 (60)
US 1998-114140P 19981223 (60)
US 1999-115552P 19990112 (60)
US 1999-116843P 19990122 (60)
US 1999-125774P 19990323 (60)
US 1999-125778P 19990323 (60)
US 1999-125826P 19990324 (60)
US 1999-127035P 19990331 (60)
US 1999-127706P 19990405 (60)
US 1999-129122P 19990413 (60)
US 1999-130359P 19990421 (60)

L5 ANSWER 23 OF 66 USPATFULL
ACCESSION NUMBER: 2002:337348 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filveroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillman, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
PATENT ASSIGNEE(S): Genentech, Inc. (U.S. corporation)

NUMBER KIND DATE
PATENT INFORMATION: US 2002192706 A1 20021219
APPLICATION INFO.: US 2001-999832 A1 20011024 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, GRANTED, Pat. No. US 6391311

PRIORITY INFORMATION: NUMBER DATE
WO 1998-US21141 19981007
WO 1998-US24855 19981120
WO 1999-US106 19990105
WO 1999-US5028 19990308
WO 1999-US5190 19990310
WO 1999-US10733 19990514
WO 1999-US12252 19990602
WO 1999-US28113 19991130
WO 1999-US28551 19991202
WO 1999-US28565 19991202
WO 1999-US30095 19991216
WO 1999-US31243 19991230
WO 1999-US31274 19991230
WO 2000-US219 20000105
WO 2000-US277 20000106
WO 2000-US376 20000106
WO 2000-US3565 20000211

L5 ANSWER 22 OF 66 USPATFULL (Continued)
US 1999-131270P 19990427 (60)
US 1999-131272P 19990427 (60)
US 1999-131291P 19990427 (60)
US 1999-132371P 19990504 (60)
US 1999-132379P 19990504 (60)
US 1999-132383P 19990504 (60)
US 1999-135750P 19990525 (60)
US 1999-138166P 19990608 (60)
US 1999-144791P 19990720 (60)
US 1999-146970P 19990803 (60)
US 1999-162506P 19991029 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, 201 California Street, Suite 1150, San Francisco, CA, 94111
NUMBER OF CLAIMS: 21
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 46 Drawing Page(s)
LINE COUNT: 11582
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 23 OF 66 USPATFULL (Continued)
WO 2000-US4341 20000218
WO 2000-US5841 20000302
WO 2000-US7532 20000321
WO 2000-US5004 20000324
WO 2000-US6319 20000330
WO 2000-US8439 20000330
WO 2000-US13705 20000517
WO 2000-US14042 20000522
WO 2000-US14941 20000530
WO 2000-US15264 20000602
WO 2000-US20710 20000728
WO 2000-US23328 20000824
WO 2000-US32678 20001201
WO 2000-US34956 20001220
WO 2001-US6520 20010228
WO 2001-US9552 20010322
WO 2001-US17092 20010525
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1997-62250P 19971017 (60)
US 1997-64249P 19971103 (60)
US 1997-65311P 19971113 (60)
US 1997-66364P 19971121 (60)
US 1998-77450P 19980310 (60)
US 1998-77632P 19980311 (60)
US 1998-77641P 19980311 (60)
US 1998-77649P 19980311 (60)
US 1998-77791P 19980312 (60)
US 1998-78004P 19980313 (60)
US 1998-78886P 19980320 (60)
US 1998-78936P 19980320 (60)
US 1998-78910P 19980320 (60)
US 1998-78939P 19980320 (60)
US 1998-79249P 19980325 (60)
US 1998-79656P 19980326 (60)
US 1998-79664P 19980327 (60)
US 1998-79689P 19980327 (60)
US 1998-79663P 19980327 (60)
US 1998-79728P 19980327 (60)
US 1998-79786P 19980327 (60)
US 1998-79920P 19980330 (60)
US 1998-79923P 19980330 (60)
US 1998-80105P 19980331 (60)
US 1998-80107P 19980331 (60)
US 1998-80165P 19980331 (60)
US 1998-80194P 19980331 (60)
US 1998-80327P 19980401 (60)
US 1998-80328P 19980401 (60)
US 1998-80333P 19980401 (60)
US 1998-80334P 19980401 (60)
US 1998-81070P 19980408 (60)
US 1998-81049P 19980408 (60)
US 1998-81071P 19980408 (60)
US 1998-81195P 19980409 (60)
US 1998-81203P 19980409 (60)
US 1998-81229P 19980409 (60)
US 1998-81955P 19980415 (60)
US 1998-81817P 19980415 (60)

L5 ANSWER 23 OF 66 USPATFULL (Continued)

US 1998-81819P 19980415 (60)
US 1998-81952P 19980415 (60)
US 1998-81838P 19980415 (60)
US 1998-82568P 19980421 (60)
US 1998-82569P 19980421 (60)
US 1998-82704P 19980422 (60)
US 1998-82804P 19980422 (60)
US 1998-82700P 19980422 (60)
US 1998-82797P 19980422 (60)
US 1998-82796P 19980423 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear,
620 Newport Center Drive, Sixteenth Floor, Newport
Beach, CA, 92660

NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21732

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 24 OF 66 USPATFULL (Continued)

L5 ANSWER 24 OF 66 USPATFULL

ACCESSION NUMBER: 2002:337276 USPATFULL
TITLE: EG-VEGF nucleic acids and polypeptides and methods of use
INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Shek, Theresa, San Mateo, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002192634	A1	20021219
US 2001-27603	A1	20011219 (10)
Continuation-in-part of Ser. No. US 2001-886242, filed on 20 Jun 2001, PENDING Continuation-in-part of Ser. No. WO 2000-US32678, filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US8439, filed on 30 Mar 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US4914, filed on 24 Feb 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US219, filed on 5 Jan 2000, PENDING Continuation-in-part of Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING Continuation-in-part of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 380137, PENDING A 371 of International Ser. No. WO 1999-US12252, filed on 2 Jun 1999, PENDING		

No.

NUMBER	DATE
US 2000-230978P	20000907 (60)
US 2000-213637P	20000623 (60)
US 1999-145698P	19990726 (60)
US 1998-96146P	19980811 (60)
US 1998-96146P	19980811 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614 61

NUMBER OF CLAIMS: 59
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 59 Drawing Page(s)
LINE COUNT: 4926

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

L5 ANSWER 25 OF 66 USPATFULL

ACCESSION NUMBER: 2002:314688 USPATFULL
TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding
INVENTOR(S): Ashkenazi, Avi J., San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David A., Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hilleborough, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Kljava, Ivar J., Lafayette, CA, UNITED STATES
Mather, Jennie P., Millbrae, CA, UNITED STATES
Napier, Mary A., Hilleborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Peoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Zhang, Zemin, Foster City, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2002177165	A1	20021128
US 2002-66500	A1	20020201 (10)
Continuation of Ser. No. US 2001-2796, filed on 15 Nov 2001, PENDING		

NUMBER	DATE
WO 1998-US14552	19980714
WO 1998-US18824	19980910
WO 1998-US19093	19980914
WO 1998-US19330	19980916
WO 1998-US19437	19980917
WO 1998-US24855	19981120
WO 1998-US25108	19981201
WO 1998-US25190	19981125
WO 1999-US5028	19990308
WO 1999-US12252	19990602
WO 1999-US20111	19990901
WO 1999-US20594	19990908
WO 1999-US21090	19990915
WO 1999-US21547	19990915
WO 1999-US28301	19991201
WO 1999-US28313	19991130
WO 1999-US28565	19991202
WO 1999-US30999	19991220
WO 2000-US219	20000105
WO 2000-US4341	20000218
WO 2000-US4342	20000218

PRIORITY INFORMATION:

L5 ANSWER 25 OF 66 USPATFULL (Continued)

WO 2000-US4414	20000222
WO 2000-US5601	20000301
WO 2000-US5841	20000302
WO 2000-US6471	20000309
WO 2000-US7377	20000320
WO 2000-US8439	20000330
WO 2000-US13358	20000515
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US22011	20000811
WO 2000-US23128	20000824
WO 2000-US23522	20000823
WO 2000-US32678	20001201
WO 2001-US6520	20010228
WO 2001-US17443	20010530
WO 2001-US17800	20010601
WO 2001-US19692	20010620
WO 2001-US21066	20010629
WO 2001-US21735	20010709
US 1997-56974P	19970826 (60)
US 1997-59115P	19970917 (60)
US 1997-59263P	19970918 (60)
US 1997-59588P	19970919 (60)
US 1997-62285P	19971017 (60)
US 1997-62816P	19971024 (60)
US 1997-63082P	19971024 (60)
US 1997-63329P	19971027 (60)
US 1997-63733P	19971029 (60)
US 1997-66364P	19971121 (60)
US 1997-66840P	19971125 (60)
US 1997-69694P	19971216 (60)
US 1998-74086P	19980209 (60)
US 1998-74092P	19980209 (60)
US 1998-79294P	19980325 (60)
US 1998-81049P	19980408 (60)
US 1998-95988P	19980810 (60)
US 1998-97000P	19980818 (60)
US 1998-99601P	19980909 (60)
US 1998-99803P	19980910 (60)
US 1998-99811P	19980910 (60)
US 1998-99812P	19980910 (60)
US 1998-100858P	19980917 (60)
US 1998-101922P	19980924 (60)
US 1998-106032P	19981028 (60)
US 1998-109304P	19981120 (60)
US 1999-125778P	19990323 (60)
US 1999-139695P	19990615 (60)
US 1999-145070P	19990720 (60)
US 1999-145698P	19990726 (60)
US 1999-149396P	19990817 (60)
US 1999-169495P	19991207 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Knobbe Martens Olson & Bear, Suite

L5 ANSWER 26 OF 66 USPATFULL

ACCESSION NUMBER: 20021307559 USPATFULL

TITLE: EG-VEGF nucleic acids and polypeptides and methods of use

INVENTOR(S): Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Watanabe, Colin, Moraga, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002172678	A1	20021121
US 2001-886242	A1	20010620 (9)

NUMBER	DATE
US 2000-230978P	20000907 (60)
US 2000-213637P	20000623 (60)

PATENT INFORMATION: Utility
APPLICATION INFO.: APPLICATION

PRIORITY INFORMATION: KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

DOCUMENT TYPE: APPLICATION
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660

NUMBER OF CLAIMS: 103
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 50 Drawing Page(s)
LINE COUNT: 4912
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides designated herein as EG-VEGF and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention. Also provided herein are methods of screening for modulators of EG-VEGF. Furthermore, methods and related methods of treatment are described herein which pertain to regulating cellular proliferation and chemotaxis.

L5 ANSWER 25 OF 66 USPATFULL (Continued)

1150, 201 California Street, San Francisco, CA, 94111

NUMBER OF CLAIMS: 39
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 75 Drawing Page(s)
LINE COUNT: 12214
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 27 OF 66 USPATFULL

ACCESSION NUMBER: 20021301735 USPATFULL

TITLE: Secreted and transmembrane polypeptides and nucleic acids encoding the same

INVENTOR(S): Ashkenazi, Avi, San Mateo, CA, UNITED STATES
Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan, San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Filvaroff, Ellen, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Foster City, CA, UNITED STATES
Gerber, Hanspeter, San Francisco, CA, UNITED STATES
Gerritsen, Mary E., San Mateo, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Burlingame, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Kljavin, Ivar J., Lafayette, CA, UNITED STATES
Kuo, Sophia S., San Francisco, CA, UNITED STATES
Napier, Mary A., Hillsborough, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Shelton, David L., Oakland, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hilleborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)

NUMBER	KIND	DATE
US 2002169284	A1	20021114
US 2001-978697	A1	20011016 (9)

PATENT INFORMATION: Continuation of Ser. No. US 1998-40220, filed on 17 Mar 1998, PENDING Continuation of Ser. No. US 1998-105413, filed on 26 Jun 1998, PENDING Continuation of Ser. No. US 1998-168978, filed on 7 Oct 1998, PENDING Continuation of Ser. No. US 1998-184216, filed on 2 Nov 1998, ABANDONED Continuation of Ser. No. US 1998-187368, filed on 6 Nov 1998, PENDING Continuation of Ser. No. US 1998-202054, filed on 7 Dec 1998, PENDING Continuation of Ser. No. US 1998-218517, filed on 22 Dec 1998, ABANDONED Continuation of Ser. No. US 1999-254465, filed on 5 Mar 1999, PENDING Continuation of Ser. No. US 1999-265686, filed on 10 Mar 1999, PENDING Continuation of Ser. No. US 1981-267213, filed on 26 May 1981, GRANTED, Pat. No. US 4435652 Continuation of Ser. No. US 1999-284291, filed on 12 Apr 1999, ABANDONED Continuation of Ser. No. US 1999-311832, filed on 14 May 1999, PENDING

Continuation of Ser. No. US 380137, PENDING Continuation of Ser. No. US 1999-380138, filed on 25 Aug 1999, ABANDONED

L5 ANSWER 27 OF 66 USPATFULL (Continued)
Continuation of Ser. No. US 1999-380142, filed on 25 Aug 1999, ABANDONED Continuation of Ser. No. US 2000-709238, filed on 8 Nov 2000, PENDING Continuation of Ser. No. US 2000-723749, filed on 27 Nov 2000, PENDING Continuation of Ser. No. US 2000-747259, filed on 20 Dec 2000, PENDING Continuation of Ser. No. US 2001-816744, filed on 22 Mar 2001, PENDING

Continuation
of Ser. No. US 2001-816920, filed on 22 Mar 2001, PENDING Continuation of Ser. No. US 2001-854280, filed on 10 May 2001, PENDING Continuation of Ser. No. US 2001-854208, filed on 10 May 2001, PENDING

Continuation
of Ser. No. US 2001-872035, filed on 1 Jun 2001, PENDING Continuation of Ser. No. US 2001-874503, filed on 5 Jun 2001, PENDING Continuation of Ser. No. US 2001-882636, filed on 14 Jun 2001, PENDING

Continuation
of Ser. No. US 2001-886342, filed on 19 Jun 2001, PENDING Continuation of Ser. No. US 2001-918585, filed on 30 Jul 2001, PENDING

NUMBER	DATE
WO 1998-US21141	19981007
WO 1998-US24855	19981120
WO 1999-US106	19990105
WO 1999-US5028	19990308
WO 1999-US5190	19990310
WO 1999-US10713	19990514
WO 1999-US12252	19990602
WO 1999-US28313	19991130
WO 1999-US28551	19991202
WO 1999-US28565	19991202
WO 1999-US30095	19991216
WO 1999-US31243	19991230
WO 1999-US31274	19991230
WO 2000-US219	20000105
WO 2000-US277	20000106
WO 2000-US376	20000106
WO 2000-US3565	20000211
WO 2000-US4341	20000218
WO 2000-US5841	20000302
WO 2000-US7532	20000321
WO 2000-US5004	20000324
WO 2000-US6319	20000330
WO 2000-US8439	20000330
WO 2000-US13705	20000517
WO 2000-US14042	20000522
WO 2000-US14941	20000530
WO 2000-US15264	20000602
WO 2000-US20710	20000728
WO 2000-US23328	20000824
WO 2000-US32678	20001201
WO 2000-US34956	20001220
WO 2001-US6520	20010228

L5 ANSWER 28 OF 66 USPATFULL
ACCESSION NUMBER: 2002:301734 USPATFULL
TITLE: CLASP-7 transmembrane protein
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan David, San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002:69283	A1	20021114
US 2000-736968	A1	20001213 (9)

NUMBER	DATE
US 2000-240508P	20001013 (60)
US 2000-240503P	20001013 (60)
US 2000-240539P	20001013 (60)
US 2000-240543P	20001013 (60)
US 2000-196267P	20000411 (60)
US 2000-196527P	20000411 (60)
US 2000-196528P	20000411 (60)
US 2000-196460P	20000411 (60)
US 2000-182296P	20000214 (60)
US 2000-176195P	20000114 (60)
US 1999-170453P	19991213 (60)
US 1999-162498P	19991029 (60)
US 1999-160860P	19991021 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834

NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 34 Drawing Page(s)
LINE COUNT: 4837

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-7 ("CLASP-7"). In particular, it relates to CLASP-7 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-7 function.

L5 ANSWER 27 OF 66 USPATFULL (Continued)
WO 2001-US9552 20010322
WO 2001-US17092 20010525
WO 2001-US17800 20010601
WO 2001-US19692 20010620
WO 2001-US21066 20010629
WO 2001-US21735 20010709
US 1997-62250P 19971017 (60)
US 1997-64249P 19971103 (60)
US 1997-65311P 19971113 (60)
US 1997-66364P 19971121 (60)
US 1998-77450P 19980310 (60)
US 1998-77632P 19980311 (60)
US 1998-77641P 19980311 (60)
US 1998-77649P 19980311 (60)
US 1998-77791P 19980312 (60)
US 1998-78004P 19980313 (60)
US 1998-78886P 19980320 (60)
US 1998-78936P 19980320 (60)
US 1998-78910P 19980320 (60)
US 1998-78939P 19980320 (60)
US 1998-79294P 19980325 (60)
US 1998-79656P 19980326 (60)
US 1998-79664P 19980327 (60)
US 1998-79689P 19980327 (60)
US 1998-79663P 19980327 (60)
US 1998-79728P 19980327 (60)
US 1998-79786P 19980327 (60)
US 1998-79920P 19980330 (60)
US 1998-79923P 19980330 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ginger R. Dreger, Esq., Knobbe Martens Olson & Bear, Suite 1150, 201 California Street, San Francisco, CA, 94111
NUMBER OF CLAIMS: 57
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 237 Drawing Page(s)
LINE COUNT: 21798
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention is directed to novel polypeptides and to nucleic acid molecules encoding those polypeptides. Also provided herein are vectors and host cells comprising those nucleic acid sequences, chimeric polypeptide molecules comprising the polypeptides of the present invention fused to heterologous polypeptide sequences, antibodies which bind to the polypeptides of the present invention and to methods for producing the polypeptides of the present invention.

L5 ANSWER 29 OF 66 USPATFULL
ACCESSION NUMBER: 2002:272488 USPATFULL
TITLE: Implantable biocompatible immunoisolatory vehicle for delivery of selected therapeutic products
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, UNITED STATES
Emerich, Dwayne F., Providence, RI, UNITED STATES
Hoffman, Diane, Cambridge, MA, UNITED STATES
Sanberg, Paul R., Spring Hill, FL, UNITED STATES
Christenson, Lisa, New Haven, CT, UNITED STATES
Hegre, Orion D., Green Valley, AZ, UNITED STATES
Scharp, David W., St. Louis, MO, UNITED STATES
Lacy, Paul E., Webster Grove, MO, UNITED STATES
Aebischer, Patrick, Lutry, SWITZERLAND
Vasconcellos, Alfred V., Cranston, RI, UNITED STATES
Lysaght, Michael J., E. Greenwich, RI, UNITED STATES
Gentile, Frank T., Warwick, RI, UNITED STATES

NUMBER	KIND	DATE
US 2002:506603	A1	20021017
US 2001-7344	A1	20011025 (10)

RELATED APPL. INFO.: Continuation of Ser. No. US 2000-563248, filed on 2 May 2000, GRANTED, Pat. No. US 6322804 Division of Ser. No.

US 1998-148671, filed on 4 Sep 1998, GRANTED, Pat. No. US 6083523 Division of Ser. No. US 1995-449837, filed on 24 May 1995, GRANTED, Pat. No. US 5874099 Division of Ser. No. US 1994-179153, filed on 10 Jan 1994, GRANTED, Pat. No. US 5800828 Continuation-in-part of Ser. No. WO 1992-US3327, filed on 22 Apr 1992, UNKNOWN Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, ABANDONED

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MINTZ LEVIN, One Financial Center, Boston, MA, 02111
NUMBER OF CLAIMS: 1
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 3733

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An immunoisolatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeable, biocompatible, peripheral region free of the isolated cells, which immunisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual. The vehicle is particularly well-suited to delivery of insulin from immunoisolated islets of Langerhans, and can also be used advantageously for delivery of high molecular weight products, such as products larger than IgG. A method of making a biocompatible, immunoisolatory implantable vehicle, consisting in a first embodiment of a coextrusion process, and in a second embodiment of a stepwise process. A method for isolating cells within a biocompatible, immunoisolatory implantable vehicle, which protects the isolated cells from attack by the immune system of an individual in whom the vehicle is implanted. A method of providing a needed biological product or metabolic function to

L5 ANSWER 29 OF 66 USPATFULL (Continued)
an individual, comprising implanting into the individual an immunosolatory vehicle containing isolated cells which produce the product or provide the metabolic function.

L5 ANSWER 30 OF 66 USPATFULL
ACCESSION NUMBER: 2002:191204 USPATFULL
TITLE: CLASP-5 transmembrane protein
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan D., San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102267	A1	20020801
APPLICATION INFO.:	US 2000-736960	A1	20001213 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-240508P	20001013 (60)
	US 2000-240503P	20001013 (60)
	US 2000-240539P	20001013 (60)
	US 2000-240543P	20001013 (60)
	US 2000-196267P	20000411 (60)
	US 2000-196527P	20000411 (60)
	US 2000-196528P	20000411 (60)
	US 2000-196460P	20000411 (60)
	US 2000-182296P	20000214 (60)
	US 2000-176195P	20000114 (60)
	US 1999-170453P	19991213 (60)
	US 1999-162498P	19991029 (60)
	US 1999-160860P	19991021 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 61 Drawing Page(s)
LINE COUNT: 4844
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-5 ("CLASP-5"). In particular, it relates to CLASP-5 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-5 function.

L5 ANSWER 31 OF 66 USPATFULL
ACCESSION NUMBER: 2002:171651 USPATFULL
TITLE: Cytoprotective biocompatible containment systems for biologically active materials and methods of making same
INVENTOR(S): Soon-Shiong, Patrick, Malibu, CA, UNITED STATES
Desai, Neil, Los Angeles, CA, UNITED STATES
Ron, Nilesh, Culver City, CA, UNITED STATES
Sojomihardjo, Andrew S., West Covina, CA, UNITED STATES
STATES
Heintz, Roswitha, Los Angeles, CA, UNITED STATES
Curcio, Francesco, Westlake Village, CA, UNITED STATES
PATENT ASSIGNEE(S): VivoRx, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002090399	A1	20020711
APPLICATION INFO.:	US 2001-29582	A1	20011220 (10)
RELATED APPL. INFO.:	Division of Ser. No. US 1999-264187, filed on 9 Mar 1999, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Stephen E. Reiter, Foley & Lardner, P.O. Box 80278, San Diego, CA, 92138-0278		
NUMBER OF CLAIMS:	64		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1732		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or components secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.

L5 ANSWER 32 OF 66 USPATFULL
ACCESSION NUMBER: 2002:164764 USPATFULL
TITLE: Clasp-3 transmembrane protein
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan D., San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002086382	A1	20020704
APPLICATION INFO.:	US 2000-737246	A1	20001213 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-240508P	20001013 (60)
	US 2000-240503P	20001013 (60)
	US 2000-240539P	20001013 (60)
	US 2000-240543P	20001013 (60)
	US 2000-196267P	20000411 (60)
	US 2000-196527P	20000411 (60)
	US 2000-196528P	20000411 (60)
	US 2000-196460P	20000411 (60)
	US 2000-182296P	20000214 (60)
	US 2000-176195P	20000114 (60)
	US 1999-170453P	19991213 (60)
	US 1999-162498P	19991029 (60)
	US 1999-160860P	19991021 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 54 Drawing Page(s)
LINE COUNT: 5126
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-3 ("CLASP-3"). In particular, it relates to CLASP-3 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-3 function.

LS ANSWER 33 OF 66 USPATFULL
ACCESSION NUMBER: 2002:133451 USPATFULL
TITLE: CLASP-4 transmembrane protein
INVENTOR(S): Lu, Peter S., Mountain View, CA, UNITED STATES
Garman, Jonathan D., San Jose, CA, UNITED STATES
Candia, Albert F., III, Menlo Park, CA, UNITED STATES

NUMBER	KIND	DATE
US 2002068302	A1	20020606
US 2001-736969	A1	20010507 (9)

PATENT INFORMATION: US 2000-240508P 20001013 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 47 Drawing Page(s)
LINE COUNT: 5116
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to a cell surface molecule, designated cadherin-like asymmetry protein-4 ("CLASP-4"). In particular, it relates to CLASP-4 polynucleotides, polypeptides, fusion proteins, and antibodies. The invention also relates to methods of modulating an immune response by interfering with CLASP-4 function.

LS ANSWER 35 OF 66 USPATFULL
ACCESSION NUMBER: 2002:16657 USPATFULL
TITLE: Superoxide dismutase or superoxide dismutase mimic coating for an intracorporeal medical device
INVENTOR(S): Michal, Eugene T., San Francisco, CA, UNITED STATES
Buchko, Christopher J., Redwood City, CA, UNITED STATES
STATES Kilpatrick, Deborah L., Mountain View, CA, UNITED STATES
Bigus, Stephen J., San Jose, CA, UNITED STATES
PATENT ASSIGNEE(S): Advanced Cardiovascular Systems, Inc. (non-U.S. corporation)

NUMBER	KIND	DATE
US 2002009535	A1	20020124
US 2001-827977	A1	20010406 (9)

PATENT INFORMATION: Continuation-in-part of Ser. No. US 1999-240914, filed on 29 Jan 1999, GRANTED, Pat. No. US 6287285
APPLICATION INFO.: Continuation-in-part of Ser. No. US 1998-16694, filed on 30 Jan 1998, GRANTED, Pat. No. US 6221425
RELATED APPLN. INFO.:
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Priscilla Mark, Heller Ehrman White & McAuliffe LLP, 275 Middlefield Road, Menlo Park, CA, 94025-3506
NUMBER OF CLAIMS: 41
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 1518
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method of providing a therapeutic, diagnostic or lubricious hydrophilic coating on an intracorporeal medical device and the coated device produced thereby, wherein the coating is durable. In one embodiment, the coating comprises a polymerized base coat and a top coat having a therapeutic, diagnostic or hydrophilic agent, where the base coat has a binding component which binds to the top coat, and a grafting component which binds to the binding component and adheres to the device. In another embodiment, the coating comprises a blend of an agent, a grafting component, and salt. In one embodiment, the therapeutic agent is superoxide dismutase or a superoxide dismutase mimic. The coating of the invention may be applied to a medical device with a polymeric surface such as a polymeric catheter, or a metal device such as a stent coated with a polymeric primer or without a primer.

LS ANSWER 34 OF 66 USPATFULL
ACCESSION NUMBER: 2002:112583 USPATFULL
TITLE: Gels for encapsulation of biological materials
INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, UNITED STATES
Pathak, Chandrasekhar P., Waltham, MA, UNITED STATES
Sawhney, Amarpreet S., Newton, MA, UNITED STATES
Desai, Neil P., Los Angeles, CA, UNITED STATES
Hosseini, Syed F.A., Austin, TX, UNITED STATES
THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM (U.S. corporation)

NUMBER	KIND	DATE
US 2002058318	A1	20020516
US 2001-811901	A1	20010319 (9)

PATENT INFORMATION: Continuation of Ser. No. US 1997-783387, filed on 13 Jan 1997, GRANTED, Pat. No. US 6258870 Division of Ser. No. US 1995-484160, filed on 7 Jun 1995, ABANDONED
APPLICATION INFO.: Division of Ser. No. US 1992-958870, filed on 7 Oct 1992, GRANTED, Pat. No. US 5529914
RELATED APPLN. INFO.:
Ser. No. US 1992-870540, filed on 20 Apr 1992, ABANDONED
Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, ABANDONED

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: LYON & LYON LLP, 633 WEST FIFTH STREET, SUITE 4700, LOS ANGELES, CA, 90071
NUMBER OF CLAIMS: 128
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Page(s)
LINE COUNT: 2285
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species.
Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

LS ANSWER 36 OF 66 USPATFULL
ACCESSION NUMBER: 2002:332479 USPATFULL
TITLE: Cytoprotective biocompatible containment systems for biologically active materials and methods of making same
INVENTOR(S): Soon-Shiong, Patrick, Malibu, CA, United States
Desai, Neil, Los Angeles, CA, United States
Ron, Nilesh, Culver City, CA, United States
Sojomihardjo S., Andrew, West Covina, CA, United States
STATES Heintz, Roswitha, Los Angeles, CA, United States
Curcio, Francesco, Westlake Village, CA, United States
PATENT ASSIGNEE(S): VivotRx, Inc., Santa Monica, CA, United States (U.S. corporation)

NUMBER	KIND	DATE
US 6495161	B1	20021217
US 1999-264187		19990309 (9)

PATENT INFORMATION: Utility
APPLICATION INFO.: GRANTED
DOCUMENT TYPE: GRANTED
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Jones, Dameron L.
LEGAL REPRESENTATIVE: Reiter, Stephen E., Foley & Lardner
NUMBER OF CLAIMS: 26
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 1507
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB In accordance with the invention, there are provided methods, capsules, and delivery systems useful in preparing biological containment systems with properties (e.g., mechanical strength, capsule permeability and porosity, desired controlled release rates of the biologic or components secreted by the biologic, and immunoreactivity) that can be varied to adapt to a broader range of physiological conditions than known biological containment systems. There are also provided methods of making capsules containing cell aggregates therein, as well as the capsules formed thereby, which are useful as a quantitatively plentiful and low cost alternative to usage of freshly harvested cell aggregates (e.g., islets from pancreas), since the latter are usually available only in limited numbers.

L5 ANSWER 37 OF 66 USPATFULL
ACCESSION NUMBER: 2002:260428 USPATFULL
TITLE: Treating medical conditions by polymerizing macromers to form polymeric materials
INVENTOR(S): Hubbell, Jeffrey A., Zumikon, SWITZERLAND
Pathak, Chandrashekhar P., Austin, TX, United States
Sawhney, Amarpreet, Bedford, MA, United States
Desai, Neil, Los Angeles, CA, United States
Hossainy, Syed, Edison, NJ, United States
Hill-West, Jennifer L., Pearland, TX, United States
PATENT ASSIGNEE(S): Board of Regents, The University of Texas Systems, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6465001	B1	20021015
APPLICATION INFO.:	US 1998-33871		19980303 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-467693, filed on 6 Jun		

1995, now patented, Pat. No. US 5834274 Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1995-475175, filed on 7 Jun 1995, now patented, Pat. No. US 5846530 Division of Ser. No. US 1994-232054, filed on 28 Apr 1994, now patented, Pat. No. US

5837747
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Naff, David M.
LEGAL REPRESENTATIVE: Holland & Knight LLP
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 2121
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, and coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules. A medical condition at a localized site is treated by applying a polymerization initiator and then applying a substantially water-soluble, degradable macromer of at least 200 mw and having at least two crosslinkable substituents, and polymerizing the macromer to form a crosslinked polymeric material at the site. The crosslinked polymeric material may adhere two surfaces together, or be a barrier that provides immunoisolation or prevents adhesion of the site to another surface such as post-surgical adhesion. A

L5 ANSWER 38 OF 66 USPATFULL
ACCESSION NUMBER: 2002:75013 USPATFULL
TITLE: Method of delivering oxygen to cells by electrolyzing water
INVENTOR(S): Colton, Clark K., Newton, MA, United States
Swette, Larry L., Newton, MA, United States
PATENT ASSIGNEE(S): Massachusetts Institute of Technology, Cambridge, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6368592	B1	20020409
APPLICATION INFO.:	US 1999-356079		19990716 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-93147P	19980717 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Naff, David M.	
LEGAL REPRESENTATIVE:	Testa, Hurwitz & Thibault, LLP	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	1271	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Oxygen is supplied to cells in vitro or in vivo by generating oxygen with an oxygen generator that electrolyzes water to oxygen and hydrogen.

Oxygen can be generated substantially without generating free hydrogen using a multilayer electrolyzer sheet having a proton exchange membrane sandwiched by an anode layer and a cathode layer. The oxygen generator may be used to supply oxygen to cells contained by a culture plate, a culture flask, a microtiter plate or an extracorporeal circuit, or to cells in an encapsulating chamber for implanting in the body such as an immunoisolation chamber bounded by a semipermeable barrier layer that allows selected components to enter and leave the chamber. A bioactive molecule may be present with the cells. Oxygen can be delivered in situ to cells within the body such as by implanting the oxygen generator in proximity to cell-containing microcapsules in an intraperitoneal space, or by implanting a system containing the oxygen generator in proximity to an immunoisolation chamber containing cells.

L5 ANSWER 39 OF 66 USPATFULL (Continued)
biologically active material may be present when the macromer is polymerized to provide for delivery of the biologically active material, or to provide the polymeric material with a desired property such as resistance to bacterial growth or a decrease in inflammatory response.

L5 ANSWER 39 OF 66 USPATFULL
ACCESSION NUMBER: 2002:57392 USPATFULL
TITLE: ICAM-1 derivatives with altered ability to bind LFA-1
INVENTOR(S): Springer, Timothy A., Newton, MA, United States
Dustin, Michael L., University City, MO, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
PATENT ASSIGNEE(S): Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6358510	B1	20020319
APPLICATION INFO.:	US 1995-479763		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-186456, filed on 25 Jan 1994, now patented, Pat. No. US 5612216 Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 Continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned Continuation-in-part of Ser. No. US 1989-373882, filed on 30 Jun 1989, now abandoned Continuation-in-part of Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Continuation-in-part of Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Continuation-in-part of Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned		

UTILITY
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Gambel, Phillip
LEGAL REPRESENTATIVE: Sterne, Kessler Goldstein & Fox P.L.L.C.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 33 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT: 4852
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 40 OF 66 USPATFULL
ACCESSION NUMBER: 2001:214673 USPATFULL
TITLE: Implantable biocompatible immunoisulatory vehicle for the delivery of selected therapeutic products
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwick, RI, United States
Neurotech S.A., Evry, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6322804	B1	20011127
APPLICATION INFO.:	US 2000-563248		20000502 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-148671, filed on 4 Sep 1998, now patented, Pat. No. US 6083523 Division of Ser. No. US 1995-449837, filed on 24 May 1995, now patented, Pat. No. US 5874099 Division of Ser. No. US 179151, now patented, Pat. No. US 5800828 Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Mintz, Levin, Cohn, Ferria, Glovsky and Pope, P.C., Elrifi, Ivor R., Karnakis, Christina V.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3794		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An immunoisulatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeable, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual.

L5 ANSWER 42 OF 66 USPATFULL
ACCESSION NUMBER: 2001:107952 USPATFULL
TITLE: Cells for encapsulation of biological materials
INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, United States
Pathak, Chandrasekhar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas Systems, Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6258870	B1	20010710
APPLICATION INFO.:	US 1997-783387		19970113 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-484160, filed on 7 Jun 1995, now abandoned Division of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Berman, Susan W.		
LEGAL REPRESENTATIVE:	Lyon & Lyon LLP		
NUMBER OF CLAIMS:	58		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	2149		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides novel methods for the formation of biocompatible

water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

L5 ANSWER 41 OF 66 USPATFULL
ACCESSION NUMBER: 2001:157571 USPATFULL
TITLE: Local polymeric gel cellular therapy
INVENTOR(S): Slepian, Marvin J., Tucson, AZ, United States
Messis, Stephen P., Tucson, AZ, United States
Endoluminal Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6290729	B1	20010918
APPLICATION INFO.:	US 1997-984614		19971203 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-238931, filed on 6 May 1994, now patented, Pat. No. US 5843156 Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815 Continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned Continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned Continuation of Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US		

5213580
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Milano, Michael J.
LEGAL REPRESENTATIVE: Arnall Golden Gregory LLP
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 23 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1477

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a second less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

L5 ANSWER 43 OF 66 USPATFULL
ACCESSION NUMBER: 2000:83864 USPATFULL
TITLE: Implantable biocompatible immunoisulatory vehicle for delivery of selected therapeutic products
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., Greenwich, RI, United States
Gentile, Frank T., Warwick, RI, United States
Brown University Research Foundation, Providence, RI, United States (U.S. corporation)
Brown University, Providence, RI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6083523		20000704
APPLICATION INFO.:	US 1998-148671		19980904 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-449837, filed on 24 May 1995, now patented, Pat. No. US 5874099 And a continuation-in-part of Ser. No. WO 1992-US3327, filed on 22 Apr 1992 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Mintz, Levin, Cohn, Ferria Glovsky and Popeo, P.C., Elrifi, Ivor R., Prince, John		
NUMBER OF CLAIMS:	40		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3880		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An immunoisulatory vehicle for the implantation into an individual of cells which produce a needed product or provide a needed metabolic function. The vehicle is comprised of a core region containing isolated cells and materials sufficient to maintain the cells, and a permeable, biocompatible, peripheral region free of the isolated cells, which immunoisolates the core yet provides for the delivery of the secreted product or metabolic function to the individual.

L5 ANSWER 44 OF 66 USPATFULL
ACCESSION NUMBER: 1999:166965 USPATFULL
TITLE: Protein sequences of serrate gene products
INVENTOR(S): Ish-Horowitz, David, Oxford, United Kingdom
Kingdom Henrique, Domingos Manuel Pinto, Oxford, United
Lewis, Julian Hart, Oxford, United Kingdom
Myat, Anna Mary, Oxford, United Kingdom
Fleming, Robert J., Rochester, NY, United States
Artavanis-Teakones, Spyridon, Hamden, CT, United
States
Mann, Robert S., Hamden, CT, United States
Gray, Grace E., New Haven, CT, United States
PATENT ASSIGNEE(S): Imperial Cancer Research Technology, Ltd., London,
United Kingdom (non-U.S. corporation)
Yale University, New Haven, CT, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6004924		19991221
APPLICATION INFO.:	US 1996-611729		19960306 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-400159, filed on 7 Mar 1995 which is a continuation-in-part of Ser. No. US 1994-255102, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1993-121979, filed on 14 Sep 1993, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Carlson, Karen Cochrane		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	75		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	53 Drawing Figure(s); 38 Drawing Page(s)		
LINE COUNT:	6539		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate protein, or any combination of the foregoing. Antibodies to Serrate, its derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods and pharmaceutical compositions are provided. In specific examples, isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.		

L5 ANSWER 45 OF 66 USPATFULL
ACCESSION NUMBER: 1999:16949 USPATFULL
TITLE: Engineering oral tissues
INVENTOR(S): Mooney, David J., Ann Arbor, MI, United States
Rutherford, Robert B., Ann Arbor, MI, United States
PATENT ASSIGNEE(S): The Regents of the University of Michigan, Ann Arbor,
MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5885829		19990323
APPLICATION INFO.:	US 1997-864494		19970528 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-18450P	19960528 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Degen, Nancy	
LEGAL REPRESENTATIVE:	Arnold, White & Durkee	
NUMBER OF CLAIMS:	109	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 11 Drawing Page(s)	
LINE COUNT:	8001	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
AB	Disclosed are methods for regenerating dental and oral tissues from viable cells using ex vivo culture on a structural matrix. The regenerated oral tissues and tissue-matrix preparations thus provided have both clinical applications in dentistry and oral medicine and are also useful in in vitro toxicity and biocompatibility testing.	

L5 ANSWER 46 OF 66 USPATFULL (Continued)
ACCESSION NUMBER: 1999:24325 USPATFULL
TITLE: Methods for making immunoisulatory implantable
vehicles
with a biocompatible jacket and a biocompatible matrix
core
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Liss, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasochcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwick, RI, United States
PATENT ASSIGNEE(S): Brown University Research Foundation, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5874099		19990223
APPLICATION INFO.:	US 1995-449837		19950524 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Elrifi, Ivor R.Mitz, Levin		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	3		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3879		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A method of forming an implantable and retrievable immunoisulatory vehicles is disclosed, the method comprising the steps of first forming a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells capable of providing a biologically active product or metabolic or immunologic function, said cells being dispersed in a biocompatible hydrogel or extracellular matrix, and then forming around the core a surrounding external biocompatible thermoplastic or hydrogel jacket free of said cells projecting externally thereof, said jacket having molecular weight cutoff permitting passage of molecules to and from the core through said jacket to provide said biologically active product or function.		

L5 ANSWER 47 OF 66 USPATFULL
 ACCESSION NUMBER: 1999:21753 USPATFULL
 TITLE: Methods for treatment or prevention of neurodegenerative conditions using immunoisulatory implantable vehicles with a biocompatible jacket and a biocompatible matrix core
 INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
 Emerich, Dwaine F., Providence, RI, United States
 Hoffman, Diane, Cambridge, MA, United States
 Sanberg, Paul R., Spring Hill, FL, United States
 Christenson, Lisa, New Haven, CT, United States
 Hegre, Orion D., Green Valley, AZ, United States
 Scharp, David W., St. Louis, MO, United States
 Lacy, Paul E., Webster Grove, MO, United States
 Aebischer, Patrick, Lutry, Switzerland
 Vasconcellos, Alfred V., Cranston, RI, United States
 Lysaght, Michael J., E. Greenwich, RI, United States
 Gentile, Frank T., Warwick, RI, United States
 PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5871767		19990216
APPLICATION INFO.:	US 1995-449062		19950524 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Ekrufu, Ivor R.Mintz, Levin		
NUMBER OF CLAIMS:	45		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3909		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treatment of a neurodegenerative condition in a patient comprising implanting in the patient at least one immunoisulatory vehicle comprising a core comprising a volume of at least 1 .mu.l and

at least 10.sup.4 living cells which secrete at least one biologically active product, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and an external jacket surrounding the core, the jacket comprising a biocompatible hydrogel or thermoplastic, the jacket being free of cells projecting externally thereof, said jacket having a molecular weight cutoff permitting the passage of the biologically active product from the core through the jacket.

L5 ANSWER 48 OF 66 USPATFULL (Continued)

L5 ANSWER 48 OF 66 USPATFULL
 ACCESSION NUMBER: 1999:18950 USPATFULL
 TITLE: Nucleotide and protein sequences of the serrate gene and methods based thereon
 INVENTOR(S): Ish-Horowitz, David, Oxford, England
 Henrique, Domingos Manuel Pinto, Oxford, England
 Lewis, Julian Hart, Oxford, England
 Myat, Anna Mary, Oxford, England
 Fleming, Robert J., Rochester, NY, United States
 Artavanis-Tsakonas, Spyridon, Hamden, CT, United States
 States
 Mann, Robert S., Hamden, CT, United States
 Gray, Grace E., New Haven, CT, United States
 PATENT ASSIGNEE(S): Imperial Cancer Research Technology, Ltd., London, England (non-U.S. corporation)
 Yale University, Haven, CT, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5869282		19990209
APPLICATION INFO.:	US 1995-400159		19950307 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-255102, filed on 7 Jun 1994, now abandoned which is a continuation of Ser. No. US 1993-121979, filed on 14 Sep 1993, now abandoned which is a continuation of Ser. No. US 1991-808458, filed on 11 Dec 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Carlson, Karen Cochrane		
LEGAL REPRESENTATIVE:	Pennie & Edmonds LLP		
NUMBER OF CLAIMS:	109		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	51 Drawing Figure(s); 36 Drawing Page(s)		
LINE COUNT:	5411		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate protein, or any combination of the foregoing. Antibodies to Serrate, its derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods and pharmaceutical compositions are provided. In specific examples, isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.

L5 ANSWER 49 OF 66 USPATFULL
 ACCESSION NUMBER: 1999:18748 USPATFULL
 TITLE: Methods for treating diabetes by delivering insulin from biocompatible cell-containing devices
 INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
 Emerich, Dwaine F., Providence, RI, United States
 Hoffman, Diane, Cambridge, MA, United States
 Sanberg, Paul R., Spring Hill, FL, United States
 Christenson, Lisa, New Haven, CT, United States
 Hegre, Orion D., Green Valley, AZ, United States
 Scharp, David W., St. Louis, MO, United States
 Lacy, Paul E., Webster Grove, MO, United States
 Aebischer, Patrick, Lutry, Switzerland
 Vasconcellos, Alfred V., Cranston, RI, United States
 Lysaght, Michael J., Greenwich, RI, United States
 Gentile, Frank T., Warwick, RI, United States
 PATENT ASSIGNEE(S): Brown University Research Foundation, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5869077		19990209
APPLICATION INFO.:	US 1995-449562		19950524 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bawa, Raj		
LEGAL REPRESENTATIVE:	Elrifi, Ivor R.Mintz, Levin		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	15 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	3813		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for treating diabetes in a patient comprising subcutaneously implanting in the patient at least one immunoisulatory vehicle comprising a core comprising a volume of at least 1 .mu.l and at least about 10.sup.4 living cells which secrete insulin, said cells being dispersed in a biocompatible matrix comprising a hydrogel or extracellular matrix components, and a surrounding external jacket of a biocompatible thermoplastic or hydrogel free of said cells projecting externally thereof, said jacket being permeable and immunoisulatory, said jacket having a molecular weight cutoff permitting passage of molecules between the patient and core through said jacket wherein the insulin is released from the immunoisulatory vehicle into the patient's body to treat diabetes.

LS ANSWER 50 OF 66 USPATFULL
ACCESSION NUMBER: 1999:4407 USPATFULL
TITLE: Gels for encapsulation of biological materials
INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hill, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 5858746		19990112
US 1995-377911		19950125 (8)

PATENT INFORMATION: Continuation of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned

RELATED APPLN. INFO.:

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lilling, Herbert J.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 31
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 2333

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double

or

triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

LS ANSWER 51 OF 66 USPATFULL
ACCESSION NUMBER: 1998:150757 USPATFULL
TITLE: Gels for encapsulation of biological materials
INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hill, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 5843743		19981201
US 1995-467815		19950606 (8)

PATENT INFORMATION: Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned

RELATED APPLN. INFO.:

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Naff, David M.
ASSISTANT EXAMINER: Ware, Deborah K.
LEGAL REPRESENTATIVE: Arnall, Golden & Golden, LLP
NUMBER OF CLAIMS: 22
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1829

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double

or

triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

LS ANSWER 52 OF 66 USPATFULL
ACCESSION NUMBER: 1998:150186 USPATFULL
TITLE: Local polymeric gel cellular therapy
INVENTOR(S): Slepian, Marvin, Tucson, AZ, United States
Maseia, Stephen P., Tucson, AZ, United States
Endoluminal Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 5843156		19981201
US 1994-238931		19940506 (8)

PATENT INFORMATION: Continuation-in-part of Ser. No. US 1993-132745, filed on 6 Oct 1993, now patented, Pat. No. US 5575815 which is a continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation

of

Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned which is a continuation-in-part of Ser. No. US 1994-182516, filed on 14 Jan 1994 which is a continuation of Ser. No. US -593302 which is a continuation-in-part of Ser. No. US -235998 which is a continuation-in-part of Ser. No. US 1993-101966, filed on 4 Aug 1993, now patented, Pat. No. US 5328471 which is a continuation of Ser. No. US 1992-869907, filed on 15 Apr 1992, now abandoned which is a continuation of Ser. No. US 1991-759048, filed on 5 Sep 1991, now abandoned which is a continuation of Ser. No. US 1990-485287, filed on 26 Feb 1990, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brittingham, Debra S.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 23 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1484

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a

second

less fluent state in situ; controlled permeability and degradability; and, in the preferred embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen, which alter cell to cell interactions.

LS ANSWER 53 OF 66 USPATFULL
ACCESSION NUMBER: 1998:138717 USPATFULL
TITLE: Gels for encapsulation of biological materials
INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States
Pathak, Chandrashekar P., Waltham, MA, United States
Sawhney, Amarpreet S., Newton, MA, United States
Desai, Neil P., Los Angeles, CA, United States
Hill, Jennifer L., Austin, TX, United States
Hossainy, Syed F. A., Austin, TX, United States
Board of Regents, The University of Texas System,
Austin, TX, United States (U.S. corporation)

PATENT ASSIGNEE(S):

NUMBER	KIND	DATE
US 5834274		19981110
US 1995-467693		19950606 (8)

PATENT INFORMATION: Division of Ser. No. US 1993-24657, filed on 1 Mar 1993, now patented, Pat. No. US 5573934 which is a continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned

RELATED APPLN. INFO.:

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lilling, Herbert J.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory, LLP
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 11 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 1821

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double

or

triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

L5 ANSWER 54 OF 66 USPATFULL
 ACCESSION NUMBER: 1998:138453 USPATFULL
 TITLE: Methods for making immunoisolatory implantable vehicles
 matrix with a biocompatible jacket and a biocompatible matrix
 INVENTOR(S):
 Dionne, Keith E., Rehoboth, MA, United States
 Emerich, Dwaine F., Providence, RI, United States
 Hoffman, Diane, Cambridge, MA, United States
 Sanberg, Paul R., Spring Hill, FL, United States
 Christenson, Lisa, New Haven, CT, United States
 Hegre, Orion D., Green Valley, AZ, United States
 Sharp, David W., St. Louis, MO, United States
 Lacy, Paul E., Webster Grove, MO, United States
 Aebischer, Patrick, Lutry, Switzerland
 Vasoconcellos, Alfred V., Cranston, RI, United States
 Lysaght, Michael J., Greenwich, RI, United States
 Gentile, Frank T., Warwick, RI, United States
 PATENT ASSIGNEE(S):
 Brown University Research Foundation, United States
 (U.S. corporation)

NUMBER	KIND	DATE
US 5834001		19981110
US 1995-449214		19950524 (8)

APPLICATION INFO.: Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned

RELATED APPLN. INFO.: Utility

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Bawa, Raj
 LEGAL REPRESENTATIVE: Ivor Elrifi Mintz, Levin
 NUMBER OF CLAIMS: 25
 EXEMPLARY CLAIM: 5
 NUMBER OF DRAWINGS: 15 Drawing Figure(s); 9 Drawing Page(s)
 LINE COUNT: 3844
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of forming an implantable and retrievable immunoisolatory vehicle is disclosed, the method comprising the steps of first forming a jacket of biocompatible thermoplastic or hydrogel, and then loading the jacket with a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells capable of secreting a biocompatible matrix comprising a hydrogel or extracellular matrix, said jacket having a molecular weight cutoff permitting passage of molecules thereacross to provide said biologically active product or said function.

L5 ANSWER 56 OF 66 USPATFULL
 ACCESSION NUMBER: 1998:104606 USPATFULL
 TITLE: Gels for encapsulation of biological materials
 INVENTOR(S):
 Hubbell, Jeffrey A., Concord, MA, United States
 Pathak, Chandrashekhar P., Waltham, MA, United States
 Sawhney, Amarpreet S., Newton, MA, United States
 Desai, Neil P., Los Angeles, CA, United States
 Hossainy, Syed F. A., Austin, TX, United States
 PATENT ASSIGNEE(S):
 The Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)

NUMBER	KIND	DATE
US 5801033		19980901
US 1995-480678		19950607 (8)

APPLICATION INFO.: Continuation of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned

RELATED APPLN. INFO.: Utility

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Lilling, Herbert J.
 LEGAL REPRESENTATIVE: Lyon & Lyon LLP
 NUMBER OF CLAIMS: 21
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 17 Drawing Figure(s); 12 Drawing Page(s)
 LINE COUNT: 2145
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

L5 ANSWER 55 OF 66 USPATFULL
 ACCESSION NUMBER: 1998:135177 USPATFULL
 TITLE: Soluble fragments of human intercellular adhesion molecule-1
 INVENTOR(S):
 Springer, Timothy A., Newton, MA, United States
 Rothlein, Robert, Danbury, CT, United States
 Marlin, Steven D., Danbury, CT, United States
 Dustin, Michael L., University City, MO, United States
 PATENT ASSIGNEE(S):
 Dana Farber Cancer Institute, Boston, MA, United States
 (U.S. corporation)

NUMBER	KIND	DATE
US 5831036		19981103
US 1993-140554		19931025 (8)

APPLICATION INFO.: Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now abandoned which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US 1997-115798, filed on 2 Nov 1997, now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on Sep 1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 30 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned

RELATED APPLN. INFO.: Utility

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Cunningham, Thomas M.
 LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 NUMBER OF CLAIMS: 4
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 33 Drawing Figure(s); 25 Drawing Page(s)
 LINE COUNT: 5134
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 57 OF 66 USPATFULL
 ACCESSION NUMBER: 1998:104405 USPATFULL
 TITLE: Methods for coextruding immunoisolatory implantable vehicles with a biocompatible jacket and a biocompatible matrix core
 INVENTOR(S):
 Dionne, Keith E., Rehoboth, MA, United States
 Emerich, Dwaine F., Providence, RI, United States
 Hoffman, Diane, Cambridge, MA, United States
 Sanberg, Paul R., Spring Hill, FL, United States
 Christenson, Lisa, New Haven, CT, United States
 Hegre, Orion D., Green Valley, AZ, United States
 Sharp, David W., St. Louis, MO, United States
 Lacy, Paul E., Webster Grove, MO, United States
 Aebischer, Patrick, Lutry, Switzerland
 Vasoconcellos, Alfred V., Cranston, RI, United States
 Lysaght, Michael J., E. Greenwich, RI, United States
 Gentile, Frank T., Warwick, RI, United States
 PATENT ASSIGNEE(S):
 Brown University Research Foundation, United States
 (U.S. corporation)

NUMBER	KIND	DATE
US 5800829		19980901
US 1995-449274		19950524 (8)

APPLICATION INFO.: Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-693403, filed on 25 Apr 1991, now abandoned

RELATED APPLN. INFO.: Utility

DOCUMENT TYPE: Utility
 FILE SEGMENT: Granted
 PRIMARY EXAMINER: Bawa, Raj
 LEGAL REPRESENTATIVE: Elrifi, Ivor R. Mintz, Levin
 NUMBER OF CLAIMS: 27
 EXEMPLARY CLAIM: 6
 NUMBER OF DRAWINGS: 15 Drawing Figure(s); 9 Drawing Page(s)
 LINE COUNT: 3898
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of making an immunoisolatory vehicle comprised of a core comprising living cells dispersed in a biocompatible matrix is disclosed, the cells being capable of secreting a biologically active product or of providing a metabolic or immunologic function to an individual, and an external jacket surrounding said core which is a biocompatible, permeable thermoplastic or hydrogel, said jacket being free of said cells, comprising coextruding a suspension comprising said cells dispersed in a precursor matrix material comprising extracellular matrix components or a biocompatible hydrogel precursor, and a solution of a biocompatible jacket precursor from a nested dual-bore extrusion nozzle, wherein the suspension of (a) is coextruded from the inner bore and the solution of (b) is coextruded from the outer bore of the nozzle, to form said jacket as the solution of (b) and the suspension of (a) are coextruded; and exposing the vehicle to a treatment that forms a core comprising a volume of at least 1 .mu.l and at least 10.sup.4 cells and comprising a biocompatible matrix from the precursor matrix of solution (a).

L5 ANSWER 58 OF 66 USPATFULL
ACCESSION NUMBER: 1998:104404 USPATFULL
TITLE: Implantable biocompatible immunoisulatory vehicle for delivery of selected therapeutic products
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwick, RI, United States
Brown University Research Foundation, United States (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 5800828 19980901
APPLICATION INFO.: US 1994-179151 19940110 (8)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Bawa, Raj
LEGAL REPRESENTATIVE: Elrif, Ivor R. Mintz, Levin
NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 15 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3914
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Immuoisulatory vehicles having a core and a surrounding jacket are disclosed, the core having a volume in excess of 1 .mu.l and at least about 10.sup.4 living cells capable of secreting a biologically active product or of providing a biological function to a patient, the cells dispersed in a biocompatible matrix formed of a hydrogel or an extracellular matrix component, and the external jacket being permeable, biocompatible and having a molecular weight cutoff permitting passage of molecules between the patient and the core through said jacket to provide said biological product or function.

L5 ANSWER 60 OF 66 USPATFULL
ACCESSION NUMBER: 97:22659 USPATFULL
TITLE: Nucleotide sequence encoding intercellular adhesion molecule-1 and fragments thereof
INVENTOR(S): Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 5612216 19970318
APPLICATION INFO.: US 1994-186456 19940125 (8)
RELATED APPLN. INFO.: Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 And a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned Ser. No. Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on 16 Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on 16 Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 10 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Cunningham, Thomas M.
LEGAL REPRESENTATIVE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 31 Drawing Figure(s); 25 Drawing Page(s)
LINE COUNT: 5205
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

L5 ANSWER 59 OF 66 USPATFULL
ACCESSION NUMBER: 1998:101409 USPATFULL
TITLE: Implantable biocompatible immunoisulatory vehicle for delivery of selected therapeutic products
INVENTOR(S): Dionne, Keith E., Rehoboth, MA, United States
Emerich, Dwaine F., Providence, RI, United States
Hoffman, Diane, Cambridge, MA, United States
Sanberg, Paul R., Spring Hill, FL, United States
Christenson, Lisa, New Haven, CT, United States
Hegre, Orion D., Green Valley, AZ, United States
Scharp, David W., St. Louis, MO, United States
Lacy, Paul E., Webster Grove, MO, United States
Aebischer, Patrick, Lutry, Switzerland
Vasconcellos, Alfred V., Cranston, RI, United States
Lysaght, Michael J., E. Greenwich, RI, United States
Gentile, Frank T., Warwick, RI, United States
Brown University Research Foundation, United States (U.S. corporation)
PATENT ASSIGNEE(S):
NUMBER KIND DATE
PATENT INFORMATION: US 5798113 19980825
APPLICATION INFO.: US 1995-449524 19950524 (8)
RELATED APPLN. INFO.: Division of Ser. No. US 1994-179151, filed on 10 Jan 1994 which is a continuation-in-part of Ser. No. US 1991-692403, filed on 25 Apr 1991, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Bawa, Raj
LEGAL REPRESENTATIVE: Elrif, Ivor R., Levin, Mintz
NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 9 Drawing Page(s)
LINE COUNT: 3901
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method of providing a biologically active molecule or metabolic or immunologic function to a patient, comprising implanting into the body of the patient at least one immunoisulatory vehicle comprising a core comprising a volume in excess of 1 .mu.l and at least about 10.sup.4 living cells dispersed in a biocompatible matrix formed of a hydrogel or extracellular matrix components, said cells being capable of secreting a biologically active product or of providing a metabolic or immunologic function to the patient; and an external jacket surrounding said core, said jacket being formed from a thermoplastic or hydrogel, said jacket being free of said cells projecting externally therefrom, said jacket being biocompatible and having a molecular weight cutoff permitting passage of molecules between the patient and the core through said jacket to provide said biologically active product of function.

L5 ANSWER 61 OF 66 USPATFULL
ACCESSION NUMBER: 96:105992 USPATFULL
TITLE: Local polymeric gel therapy
INVENTOR(S): Slepian, Marvin, Tucson, AZ, United States
Massia, Stephen P., Tucson, AZ, United States
PATENT ASSIGNEE(S): Endoluminal Therapeutics, Inc., Tucson, AZ, United States (U.S. corporation)
NUMBER KIND DATE
PATENT INFORMATION: US 5575815 19961119
APPLICATION INFO.: US 1993-132745 19931006 (8)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1993-118978, filed on 9 Sep 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987357, filed on 7 Dec 1992, now abandoned which is a continuation of Ser. No. US 1992-857700, filed on 25 Mar 1992, now patented, Pat. No. US 5213580 which is a continuation of Ser. No. US 1990-593302, filed on 3 Oct 1990, now abandoned which is a continuation of Ser. No. US 1988-235998, filed on 24 Aug 1988, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brittingham, Debra S.
LEGAL REPRESENTATIVE: Arnall Golden & Gregory
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 22 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1204
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method for providing a synthetic barrier made of biocompatible polymeric materials in vivo which involves application of a material to a tissue or cellular surface such as the interior surface of a blood vessel, tissue lumen or other hollow space, is disclosed herein. The material may also be applied to tissue contacting surfaces of implantable medical devices. The polymeric materials are characterized by a fluent state which allows application to and, preferably adhesion to, tissue lumen surfaces, which can be increased or altered to a less fluent state in situ; controlled permeability and degradability; and, in some embodiments, incorporation of bioactive materials for release in vivo, either to the tissue lumen surface or to the interior of the lumen.

L5 ANSWER 62 OF 66 USPATFULL
 ACCESSION NUMBER: 96:103898 USPATFULL
 TITLE: Gels for encapsulation of biological materials
 INVENTOR(S): Hubbell, Jeffrey A., Austin, TX, United States
 Pathak, Chandrashekhar P., Waltham, MA, United States
 Sawhney, Amarpreet S., Newton, MA, United States
 Desai, Neil P., Los Angeles, CA, United States
 Hill-West, Jennifer L., Austin, TX, United States
 Mossaiby, Syed F. A., Austin, TX, United States
 PATENT ASSIGNEE(S): Board of Regents, The University of Texas System,
 Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5573934		19961112
APPLICATION INFO.:	US 1993-24657		19930301 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-958870, filed on 7 Oct 1992, now patented, Pat. No. US 5529914 which is a continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
LEGAL REPRESENTATIVE:	Arnall Golden & Gregory		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	20 Drawing Figure(s); 14 Drawing Page(s)		
LINE COUNT:	2186		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Water soluble macromers are modified by addition of free radical polymerizable groups, such as those containing a carbon-carbon double or triple bond, which can be polymerized under mild conditions to encapsulate tissues, cells, or biologically active materials. The polymeric materials are particularly useful as tissue adhesives, coatings for tissue lumens including blood vessels, coatings for cells such as islets of Langerhans, coatings, plugs, supports or substrates for contact with biological materials such as the body, and as drug delivery devices for biologically active molecules.

L5 ANSWER 64 OF 66 USPATFULL
 ACCESSION NUMBER: 96:55671 USPATFULL
 TITLE: Gels for encapsulation of biological materials
 INVENTOR(S): Hubbell, Jeffrey A., Concord, MA, United States
 Pathak, Chandrashekhar P., Austin, TX, United States
 Sawhney, Amarpreet S., Newton, MA, United States
 Desai, Neil P., Los Angeles, CA, United States
 Mossaiby, Syed F. A., Austin, TX, United States
 PATENT ASSIGNEE(S): The Board of Regents the University of Texas System,
 Austin, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5529914		19960625
APPLICATION INFO.:	US 1992-958870		19921007 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-870540, filed on 20 Apr 1992 Ser. No. Ser. No. US 1990-598880, filed on 15 Oct 1990, now abandoned And Ser. No. US 1991-740703, filed on 5 Aug 1991, now patented, Pat. No. US 5380536 which is a division of Ser. No. US 1991-740632, filed on 5 Aug 1991, now patented, Pat. No. US 5232984, said Ser. No. US 1992-870540 which is a continuation-in-part of Ser. No. US 1992-843485, filed on 28 Feb 1992, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lilling, Herbert J.		
LEGAL REPRESENTATIVE:	Lyon & Lyon		
NUMBER OF CLAIMS:	69		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	17 Drawing Figure(s); 12 Drawing Page(s)		
LINE COUNT:	2252		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention provides novel methods for the formation of biocompatible membranes around biological materials using photopolymerization of water soluble molecules. The membranes can be used as a covering to encapsulate biological materials or biomedical devices, as a "glue" to cause more than one biological substance to adhere together, or as carriers for biologically active species. Several methods for forming these membranes are provided. Each of these methods utilizes a polymerization system containing water-soluble macromers, species which are at once polymers and macromolecules capable of further polymerization. The macromers are polymerized using a photoinitiator (such as a dye), optionally a cocatalyst, optionally an accelerator, and radiation in the form of visible or long wavelength UV light. The reaction occurs either by suspension polymerization or by interfacial polymerization. The polymer membrane can be formed directly on the surface of the biological material, or it can be formed on material which is already encapsulated.

L5 ANSWER 63 OF 66 USPATFULL
 ACCESSION NUMBER: 96:77705 USPATFULL
 TITLE: Method for implanting encapsulated cells in a host
 INVENTOR(S): Holland, Laura M., Providence, RI, United States
 Hammang, Joseph P., Barrington, RI, United States
 Rudnick, Seth A., Barrington, RI, United States
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 PATENT ASSIGNEE(S): CytoTherapeutics, Inc., Providence, RI, United States
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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5550050		19960827
APPLICATION INFO.:	US 1994-228403		19940415 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rollins, John W.		
LEGAL REPRESENTATIVE:	Fish & Neave, Elrfi, Ivor R., Ruskin, Barbara A.		
NUMBER OF CLAIMS:	13		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	21 Drawing Figure(s); 8 Drawing Page(s)		
LINE COUNT:	1632		

AB This invention provides methods for implanting encapsulated cells in a host comprising exposing cells to restrictive conditions for a sufficient period of time to establish a desired cell property in response to the restrictive conditions and implanting the encapsulated cells in a host, the cell property being substantially maintained following implantation. Also provided are cells produced by exposure to restrictive conditions.

L5 ANSWER 65 OF 66 USPATFULL
 ACCESSION NUMBER: 95:110539 USPATFULL
 TITLE: R6-5-D6, an antibody which binds intercellular adhesion molecule-1
 INVENTOR(S): Springer, Timothy A., Newtown, MA, United States
 Rothlein, Robert, Danbury, CT, United States
 Marlin, Steven D., Danbury, CT, United States
 Dustin, Michael L., University City, MD, United States
 PATENT ASSIGNEE(S): The Dana Farber Cancer Institute, Boston, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5475091		19951212
APPLICATION INFO.:	US 1994-186457		19940125 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1990-515478, filed on 27 Apr 1990, now patented, Pat. No. US 5284931 which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987, now abandoned And a continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987, now abandoned Ser. No. Ser. No. US 1988-155943, filed on Feb 1988, now abandoned Ser. No. Ser. No. US 1988-189815, filed on 3 May 1988, now abandoned Ser. No. Ser. No. US 1988-250446, filed on 28 Sep 1988, now abandoned Ser. No. Ser. No. US 1989-324481, filed on Mar 1989, now abandoned Ser. No. Ser. No. US 1989-373882, filed on 19 Jun 1989, now abandoned And Ser. No. US 1989-456647, filed on 22 Dec 1989, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Chan, Christina Y.		
LEGAL REPRESENTATIVE:	Sterne, Kessler, Goldstein & Fox		
NUMBER OF CLAIMS:	2		
EXEMPLARY CLAIM:	1,2		
NUMBER OF DRAWINGS:	33 Drawing Figure(s); 25 Drawing Page(s)		
LINE COUNT:	5026		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to intercellular adhesion molecules (ICAM-1) which are involved in the process through which lymphocytes recognize and migrate to sites of inflammation as well as attach to cellular substrates during inflammation. The invention is directed toward such molecules, screening assays for identifying such molecules and antibodies capable of binding such molecules. The invention also includes uses for adhesion molecules and for the antibodies that are capable of binding them.

LS ANSWER 66 OF 66 USPATFULL
ACCESSION NUMBER: 94:11498 USPATFULL
TITLE: Intercellular adhesion molecules, and their binding
ligands
INVENTOR(S): Springer, Timothy A., Newton, MA, United States
Rothlein, Robert, Danbury, CT, United States
Marlin, Steven D., Danbury, CT, United States
Dustin, Michael L., University City, MO, United States
PATENT ASSIGNEE(S): Dana Farber Cancer Institute, Boston, MA, United
States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5284931		19940208
APPLICATION INFO.:	US 1990-515478	19900427	(7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989 which is a continuation-in-part of Ser. No. US 1987-45963, filed on 4 May 1987 which is a continuation-in-part of Ser. No. US 1987-115798, filed on 2 Nov 1987 which is a continuation-in-part of Ser. No. US 1988-155943, filed on 16 Feb 1988 which is a continuation-in-part of Ser. No. US 1988-189815, filed on 3 May 1988 which is a continuation-in-part of Ser. No. US 1988-250446, filed on 28 Sep 1988 which is a continuation-in-part of Ser. No. US 1989-324481, filed on 16 Mar 1989 which is a continuation-in-part of Ser. No. US 1989-373882, filed on 30 Jun 1989 which is a continuation-in-part of Ser. No. US 1989-456647, filed on 22 Dec 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Nucker, Christine M.		
ASSISTANT EXAMINER:	Cunningham, Thomas		
LEGAL REPRESENTATIVE:	Sterne, Keseler, Goldstein & Fox		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	26 Drawing Figure(s); 25 Drawing Page(s)		
LINE COUNT:	4753		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Pharmaceutical compositions comprising antibodies to intercellular
adhesion molecule-1 (ICAM-1 or CD54) are useful in methods of
decreasing

the severity of inflammation associated with the adhesion of leukocytes
to cells bearing ICAM-1. Treatment with anti-ICAM-1 antibodies reduced
the severity of inflammation associated with acute organ or tissue
rejection and prolonged allograft survival time. Such compositions may
optionally contain other immunosuppressive agents.